

Resumes 2007-2008

**Master of Health Administration
Master of Science, Health Informatics**



Dear Colleagues:

The Health Services Management and Health Informatics Programs are located within the highly regarded Department of Health Management and Informatics in the School of Medicine. The academic programs are rigorous, and graduates are prepared to be effective problem solvers and to lead change in complex health industry organizations. The graduates share core curriculum that provides a strong educational foundation in health care organizations, integrated information systems, health finance and economics, and clinical decision support systems.

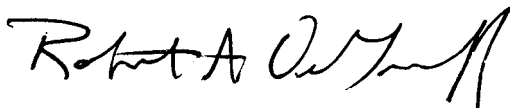
The Health Services Management program trains managers for leadership positions in the planning, organization, coordinating, and financing of health services. Health Services Management students develop competencies in clinical outcomes measurement and management, process improvement, project management, organization change, professionalism, and strategic management.

Health Informatics students similarly enhance their core with courses in systems evaluation, data repositories, knowledge management, statistical methods, and information architecture. Health Informatics students develop competencies enabling them to develop, apply, and evaluate the use of information management in the health care arena.

Students of these programs develop strong applied skills by carrying out summer internship and consulting projects. The graduate programs of Health Management and Informatics prepare professionals to meet the challenges of the changing and complex world of health care.

The Doctor of Philosophy in Informatics degree leverages the strengths and resources of MU to offer an interdisciplinary program that prepares graduates for careers in informatics research and education. The program is administered by the University of Missouri Informatics Institute (MUII) and doctoral students select a concentration in either Health Informatics or Bioinformatics.

Best Regards,



Robert A. DeGraaff, PhD, MBA
Director of Graduate Studies
Department of Health Management and Informatics

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MASTER OF HEALTH ADMINISTRATION PROGRAM

The University of Missouri-Columbia's nationally ranked Master of Health Administration Program is located in the School of Medicine, which is recognized for its excellence in research and is ranked as one of the top 10 in the nation in primary care.

The University of Missouri-Columbia (MU), established in 1839, is the oldest state university west of the Mississippi River. MU is one of the most comprehensive and diverse universities in the United States. As a member of the Association of American Universities and a university classified "Research I" by the Carnegie Foundation for the Advancement of Teaching, MU is a premier provider of graduate and professional education.

Health Management and Informatics combines health administration and health informatics, one of the few programs in the country to do so. Its mission is to develop and apply management and information science in support of clinical process change that is evidence-based and population-oriented. The faculty has a strong national research program and reputation. The Master of Health Administration Program prepares professionals to meet the challenges of a changing health care industry. The traditional two-year program has been accredited by the Accrediting Commission on Education for Health Services Administration (ACEHSA) since the commission was founded in 1968, now renamed the Commission on Accreditation of Healthcare Management Education (CAHME).

Core management courses provide students with strong grounding in finance, accounting, economics, and statistics. The program builds on this foundation with an integrated curriculum focused on managing complex health organizations within integrated health systems. Students develop applied knowledge in areas such as organization strategy and change, process improvement, interdisciplinary team management, integrated information systems, and managing financial risk. Program graduates work in leadership positions in medical group practices, managed care firms, integrated health systems, long-term care organizations, hospitals, and corporate health benefits offices, both in urban and rural environments.

Management Internships

During the summer between the first and second year of the program, students complete a 12-week internship in an approved health organization under the guidance of a highly qualified and motivated preceptor. Internships allow students to apply knowledge and develop skills as they increase their understanding of the complex relationships within health care organizations. Student interns usually are paid a monthly stipend by the host organization.

Executive Management Study

During the second year of the program, student teams develop in-depth studies using specific institutions or communities as a focus for field activities. Teams will complete an Executive Management Study, an integrative activity representing the highest standards of content and presentation.

Dual Degree Options

Students seeking a master's in health administration may expand their studies to obtain a:

- ❖ Master of Business Administration (MBA)
- ❖ Master of Science in Health Informatics (MS)
- ❖ Law (JD)
- ❖ Master of Industrial Engineering (MSIE)
- ❖ Master of Public Health (MPH)
- ❖ Certification in European Union Studies

EXECUTIVE MASTER OF HEALTH ADMINISTRATION

Preparing Today's Health Care Professionals For Tomorrow's Challenges

The management of complex health organizations is among the most difficult assignments in American society today. Increasingly, the effectiveness of leaders in these organizations is determined by their ability to integrate clinical and managerial competencies. The Executive MHA Program in Health Services Management is designed to help meet the growing demand for health professionals with high-quality management training. The program prepares practicing professionals for executive management positions across the full spectrum of health care settings. Candidates for the program, which leads to a master's degree in health administration (MHA), include physicians, nurses, pharmacists, dentists, administrators, and other health care professionals with at least three years of clinical or administrative experience. The format enables working professionals to maintain full-time employment while completing the two-year course of study. The program is one of only a few executive programs accredited by the Commission on Accreditation of Healthcare Management Education (CAHME).

Program Design - The Distance Learning Edge

The program's innovative curriculum and nontraditional format combine monthly three-day weekend sessions on campus during the fall and spring semesters and distance learning activities into a comprehensive educational experience that takes advantage of the strengths of each teaching method. Students participate in innovative distance learning activities using online discussion forums, e-mail, the World Wide Web, and live Internet chats to complement classroom meetings to create a seamless learning experience. The integration of information technology into the curriculum allows professionals from throughout North America to participate in the program and prepares them to respond to technological changes in the health care industry. Students develop an understanding of technology that is essential for success. The availability of individual instruction permits even novice computer users to participate fully as they learn the finer points of the emerging technology.

Curriculum by Semester

Spring Semester 1

Epidemiology & Managing Care
Design of Health & Human Service Systems
Administration of Health Care Organizations

Spring Semester 2

Health Care Information Systems
Strategic Planning & Marketing
Financial Management for Health Care Orgs

Summer Semester 1

(No on-campus visits)

Methods of Research (Part 1)

Summer Semester 2

(No on-campus visits)

Methods of Research (Part 2)

Fall Semester 1

Human Resources Management
Health Economics
Health Care Law and Ethics

Fall Semester 2

Decision Support in Health Services
Decision Making for Health Care Orgs
Health Policy and Politics

Graduation in December

For further program information please call: 1-800-877-4764

Or visit us online at www.hmi.missouri.edu

Or email HMI-Admissions@health.missouri.edu

MASTER OF HEALTH ADMINISTRATION CURRICULUM

MHA Foundation Courses

- Managerial Accounting
- Managerial Finance
- Microeconomics

Required MHA Courses. MHA candidates must complete coursework as follows:

STAT 7020	Statistical Methods in the Health Sciences
HMI 7410	Health & Human Services Systems
HMI 7430	Management of Health Information Systems
HMI 7460	Administration of Health Care Organizations
HMI 7524	Health Economics
HMI 7544	Epidemiology and Managing Care
HMI 7574	Health Care Law
HMI 7689	Field Experience in Health Management and Informatics
HMI 8450	Methods of Research in Health Management and Informatics (6 credits)
HMI 8461	Managing Human Resources in Health Care Organizations
HMI 8470	Strategic Planning & Marketing for Health Care Organizations
HMI 8472	Financial Management of Health Care Organizations
HMI 8571	Decision Support in Health Care Systems
HMI 8573	Decision Making for Health Care Organizations
HMI 8575	Health Policy & Politics
6 credits	Professional Electives

Professional Electives. Courses are taken from a variety of MU departments in areas such as finance, marketing, management, journalism, accounting, sociology, medical ethics, public administration, medicine, industrial engineering, and informatics.

Health Services Management Graduates



Alicia K. Abight
University Of Missouri-Columbia
MHA 2008 (expected)
University of Missouri
BA English & Theatre 2003

Administrative Intern, University Hospital & Clinics, Columbia, MO. Summer 2007
Department of Surgery administrative intern. Implemented customer service training and database training. Created patient tracking database and wrote business plans to fit new structure of organization.

Graduate Research Assistant, General Surgery, University Hospital & Clinics, Columbia, MO. 09/07 - present
Implement, maintain, and mine bariatric surgical database. Instrumental in preparing for Bariatric Center of Excellence site visit.

Clinic Coordinator, University Hospital and Clinics, Columbia, MO. 09/04 – 08/06
Oversaw day-to-day clinical operations, Clinic coordination, patient care specialist, facilitated a cohesive flow from initial patient visit through surgical follow-up. Proficient in use of IDX, PowerChart, Microsoft Office programs.

Grader, Assessment Resource Center, Columbia, MO 04/04 – 08/04
Evaluated standardized secondary education tests. Subjects included English & mathematics.



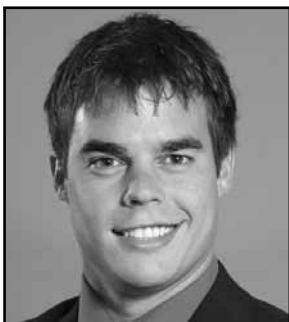
Madiha Arif
University of Missouri-Columbia
MHA 2007 (expected)
College of Business Management, Pakistan
MBA 2004

Administrative Intern, The Bluffs nursing home, Columbia MO, Summer 2006
Researched communication gaps within the organization. Developed organizational structure. Conducted staff and resident satisfaction surveys. Conducted electronic research and proposed health care initiatives to improve the lives of the residents.

Faisal Bank Limited, Karachi, Pakistan. Officer Grade I, 2004 – 2005
Responsible for corporate marketing of auto-financing, and processing of auto-lease to corporate and individual customers.

Administrative Intern, Elli Lilly Pharmaceuticals, Karachi, Pakistan, 2004.
Conducted “5th Diabetes In Asia Conference”. Prominent companies participating were Pfizer, Aventis, Bristol Myers Squibb, Glaxo Smith Kline, Merck & Co, Hoffman La Roche, and Novartis.
Developed in-house quarterly news issue. Organized Performance Appraisal Spread Sheets.

Administrative Intern, Nestle, Pakistan, 2003
Developed marketing plan and conducted various sales and marketing projects.



Aaron Borgmeyer
University of Missouri-Columbia
MHA 2008 (expected)
University of Missouri-Columbia
MS Physical Therapy 2006

Physical Therapist, Capital Region Medical Center, Jefferson City, MO, May 2006 – Present
Intensive Care, Medical, Primary Care, Rehabilitation, Skilled Nursing and Surgical patients, working directly with physicians, surgeons, and allied health professionals to provide multidisciplinary care.
Provide direct inpatient physical therapy services on weekends.

Graduate Research Assistant, University of Missouri Center for Health Care Quality, Columbia, MO, 2007 – 2008 school year
Assisted the CHCQ Director with deployment of the Performance Improvement-Leadership Development Program for the 274-bed University of Missouri Health Center executives, supervisors, and managers.

Performed statistical analysis of data and synthesized current quality and performance literature for the Director of the Center.

Carpenter, Ready Construction, Jefferson City, MO, May 2005 – May 2006
Built custom residential houses.
Utilized problem solving and resource management skills to provide high quality homes within the financial constraints of the owners.
Worked with subcontractors and suppliers throughout the entire building process.

Health Services Management Graduates



Cathy Bryan
University of Missouri-Columbia
MHA 2007 (expected)
Baylor University, Waco, TX
BSN 1983

Co-Founder and SVP of Clinical Operations, Clinical Integration Networks of America, Inc. (CINA)

Development and implementation of clinical decision support software application, interpretation of national guidelines and standards into an electronic format for clinical decision support, analysis and reporting of clinical data measures.

Co-Founder and SVP of Clinical Operations, Integrated Outcomes, Inc.

Implementation, training and support of electronic medical record (EMR) software application for physician practices, consultation for clinical research and disease management programs in the physician practice.

VP Clinical Services, Corinthian Health Services, Inc.

Implementation and management of clinical operations for physician office-based ambulatory infusion services; authored comprehensive policy and procedures manual in keeping with current JCAHO Requirements for Ambulatory Service Centers.

Geriatric Care Management Private Practice/ Clinical Consulting Practice, Care By Design, Inc. Bryan Enterprises

Geriatric case management and consulting services for elderly clients and their families, client organizations - IPA's, ambulatory, home infusion, and home care agencies, work recovery programs, and private practice physician groups. Development of outcomes and reporting programs, JCAHO, CARF, and COLA accreditation.



Mona Chawla
University of Missouri-Columbia
MHA 2008 (expected)
University of Missouri-Columbia
BA Psychology 2006

Fellow, TIPS for KIDS, Maternal & Child Health Bureau, Department of Health and Human Services, Columbia, MO, 2007-2008 Academic Year

Working with a multi-disciplinary team to provide family centered care to children with special healthcare needs, primarily neuro-developmental and related disabilities.

Administrative Intern, Division of Pediatrics Department of Cardiology, Cleveland, OH, Summer 2007

Developed a protocol to follow-up with patients' families for "No-Show" Clinic visits, designed patient-directed biographical information cards for all Pediatric Cardiologists and Cardiothoracic Surgeons, participated in data collection and analysis for transformation to a "Latex-Safe" Children's Hospital.

Patient Care Resource Assistant, Boone Hospital Center, Columbia, MO, 2005 - Present

Direct patient care to pre/post operative cardiothoracic surgery patients; perform clerical duties supporting organization/operation of nurses' station; use of EMR programs for timely and accurate transcription/communication of physician orders to a multi-disciplinary healthcare team.

EKG Technician Boone Hospital Center, Columbia, MO, 2002 - 2004

Research Assistant, University of Missouri-Columbia, 2003 - 2004

Assisted in an NIH funded study on autism and infant communication; recorded infants from age 2 - 19 months in home environment, performing specific tasks relevant to research objectives; recorded using audio and video equipment; entered Child Development Inventory (CDI) data from the observation sessions into Excel.

Health Services Management Graduates



Matthew Coffelt
University of Missouri-Columbia
MHA 2007 (expected)
MS Health Informatics
Southwest Missouri State
University, Springfield, MO
BS Computer Information Systems
2002

Engineer – Health Based Initiatives and Commercial Banking, Commerce Bank Inc. Kansas City, MO, July 2007 – Present
Developing/engineering new pilots for health payment/billing for financial sector/physicians/insurance carriers; developing relationships with healthcare based customers for our commercial banking department.

ITS Project Manager/Leader – Clinical Information Systems Project, University of Kansas Medical Center, Kansas City, KS, 2005 – 2007
Led two groups/teams with clinical information systems deployment/installation for the hospital campus, worked with clinical, business, ITS, and organization groups to develop clinical and medical record applications.

Oracle programming/database structures in developing mainframe, thick (Win 32 Apps), and web based applications, led reporting installation team with Oracle based DB, and Crystal reports implementation.

Faculty Member – Computer Information Systems Department, Southwest Missouri State University, Springfield, MO, 2003 – 2005
Teach computer information systems course at SMSU-Springfield Campus; teach programming courses at SMSU.

Information Technologies Clinical IT Team Leader, Skaggs Community Health Center, Branson, MO, 2004 – 2005

Software Engineer – Application Developer, Cerner Corporation, Kansas City, MO, 2002 – 2003



Justin DeLap
University of Missouri-Columbia
MHA 2007 (expected)
Columbia College, Columbia,
Missouri
BA Political Science 2002

Assistant Manager, Missouri Bariatric Services, University Hospital and Clinics, Columbia, MO, September 2007 – Present
Management of all operational aspects; direct supervision of the Bariatric Outpatient Clinic; responsible for Missouri Bariatric Services business strategy.

Clinical Improvement Specialist, Office of Clinical Effectiveness, University Hospital (UH), Columbia, MO, 2005 – 2007
Leadership and coordination of numerous multi-disciplinary teams: Project Director UH TIGER team (R&D, database & policy management, team coordination and member education); Chairperson UH TIGER team CQI Taskforce; Project Director, UH Pneumonia CQI Team; Project Director, ORYX Pneumonia Quality Indicator reporting; Facilitator and project assistant, UH Medication Reconciliation Taskforce;

Project assistant for patient safety initiatives including adverse event investigations, Root Cause Analysis, HFMEA, Patient Safety Network, Missouri Quality Award writer, Section 6.1C Work System Design.

OCE representative on numerous committees, including Missouri Bariatric Surgery Executive Committee, Blood Transfusion, Pharmacy and Therapeutics, Medication Management and the STAT Lab Improvement Team.

Project assistant on numerous Joint Commission regulatory compliance initiatives; development of staff recognitions/promotions, 2006 and 2007 National Patient Safety Weeks, and staff educational presentations.

Pharmacy Technician III, Inpatient Pharmacy, University of Missouri Hospital, Columbia, MO, 1997 - 2005

Health Services Management Graduates



Craig DeWitt
University of Missouri-Columbia
MHA 2008 (expected)
University of Missouri-Columbia
BA Psychology 2006

Research Assistant, Center for Health Care Quality, University of Missouri, Columbia, MO, August 2007 – Present
Conducting research on benefits and disadvantages of a bar coded medication dispensing system to ultimately decrease medication errors and increase patient safety.

Administrative Intern, Yale New Haven Health System, New Haven, CT, Summer 2007
Compiled predictive statistics for a 10 year health care service line projection for YNHHS, cost analysis of system-wide traveling nurse expenditures, cost analysis of shipping and handling ROI of a new business agreement with a single shipping entity, compiled comprehensive report to the CIO to prepare IT management for new contract negotiations.

Cerner Corporation, Kansas City, MO, Systems Engineer, Corporate Security & Technology, August 2002 – November 2004

Cerner Corporation, Kansas City, MO, Change Control Analyst, Corporate Security & Technology, November 2000 – August 2002

Cerner Corporation, Kansas City, MO, Operator, Application and Data Services (ADS), September 1999 – November 2000

Gateway, Kansas City, MO, Technical Support Professional, September 1998 – September 1999



Dana Evans
University of Missouri-Columbia
MHA 2007 (expected)
University of Missouri-Columbia
BHS Respiratory Therapy 2001

Clinical Instructor, University of Missouri, Columbia, MO, 2003 – Present
Organize and provide classroom and internet-based education for Respiratory Therapy students. Supervise, evaluate, and coach students in the clinical setting. Spearheaded asthma education program in local elementary schools. Developed asthma management algorithm for clinical decision support for Family and Community Medicine.

Registered Respiratory Therapist, University of Missouri Health Care, Columbia, MO, 2003 – Present
Responsible for complete pulmonary care of the acutely ill patient, including diagnostic and therapeutic procedures. Provide ground and air transport of pediatric patients.

Registered Respiratory Therapist, Boone Hospital Center, Columbia, MO, 2000-2005
Responsible for complete pulmonary care of the acutely ill patient, including diagnostic and therapeutic procedures.

Area Lead, Six Flags, St. Louis, MO, 1998 – 2000
Responsible for interviewing, supervising, evaluating, and coaching staff. Developed staff schedules for more than 30 individuals, implemented minimum staffing levels and maintained the inventory system.

Health Services Management Graduates



Carol Hafley
University of Missouri-Columbia
MHA 2007 (expected)
University of Missouri-Columbia
BSN 1990

Clinical Documentation Specialist, University of Missouri Health Care, Columbia, MO, 2007 – Present

Intensive concurrent review of clinical documentation. Assign inpatient working MS-DRGs, compare to final coding at discharge. Educate physicians on specific and accurate documentation.

Assistant Manager/Reimbursement Consultant, University of Missouri Health Care, Columbia, MO, 2004 – 2007

Manage revenue cycle processes to decrease patient discharge to bill drop. Educate physicians for coding accuracy and increased reimbursement. Six Sigma quality improvement project lead to decrease incorrect DRG assignments. Direct management/supervision of Elis Fischel Cancer Registry.

Director, Review Operations, Health Care Excel, Inc., Jefferson City, MO, 2001 – 2004

Oversight and management of utilization review department for the State of Missouri's vendor for inpatient Medicaid utilization review/prior authorization services. Wrote all review policies and procedures, established credible, consistent review process. Trained staff on InterQual criteria.

Case Management Supervisor, HealthCare USA, Jefferson City, MO, 1998 – 2001

Managed operations of the utilization review/case management department for satellite office of a Medicaid HMO. Well versed in application of InterQual criteria. Addressed claims/preauthorization issues.



Tracy Hartman
University of Missouri-Columbia
MHA 2008 (expected)
Oklahoma Baptist University
BA Family Psychology 2006

Grant Coordinator, Central Missouri Food Bank, Columbia, MO, September 2007 – Present

Coordinate grant processes; application submission, tracking, and distribution of funds to provide food to those in need through 145 agencies in 33 counties in central Missouri. Identify and apply for new grants; review and update grant applications to generate thousands of dollars in grant funding.

Strategic Alignment Intern, Banner Health System, Phoenix, AZ, May 2007 – August 2007

Collaborated with leadership to develop a procedure for executing 2008 strategic plan, resulting in the completion of Banner's 2008 strategy map and development of nine board-approved system-wide strategic initiatives.

Built a model to analyze financial impact of implementing a system-wide patient transfer process. Results illustrated missed revenue from patients transferred to competing hospitals. Assisted with project management of Banner's annual strategy retreat; participated in strategic planning for the cardiovascular service line.

Personal Care Aide, Shawnee, OK, October 2002 – May 2006

Responsible for transporting and supervising an autistic teenager from 14 to 18 years of age. Exercised authority in a challenging environment to ensure safety and appropriate behavior. Interviewed candidates and selected replacement to assure a smooth transition upon departure from position.

Health Services Management Graduates



Carl Hooker
University of Missouri-Columbia
MHA 2007 (expected)
Norwich University, VT
BA cum laude Economics 1991
Utah State University
Ph.D. Economics 1992

Project Director, University of Missouri Health Care, Columbia, MO, Present
Direct operational process management and improvement. Plan, implement and direct audit programs measuring and evaluating effectiveness of management processes and controls, systems, and compliance with policies and governmental regulations. Contribute to culture of awareness and support for effective patient access and management processes, controls, and compliance within an operational framework and as supplement to Clinical Effectiveness programs. Lead enhancement of operational and financial processes via implemented programs and tools. Design and manage operational effectiveness program.

Senior Content Manager, Solucient, Bellevue, WA, 2004 – 2005
Manage Content Department for benchmarking product. Collaborate and negotiate with product management team to enhance software tool. Engage software users to assist in utilization of the tool, solicit requirements for enhancements.



Jae Ryong Hyun
University of Missouri-Columbia
MHA 2008 (expected)
Kyungpook National University, Daegu
Bachelor of Public Administration 1986

Intern, Health Management and Informatics Group, Columbia, MO, Summer 2007
Performed program design, program development and completion of grant funding applications.

Deputy Director, National Health Insurance Corporation, Seoul, Korea, 2001 – present
Participated in establishing countermeasures for the financial deficit of health insurance system of Korea in 2001. Developed and implemented the customized individual Health Risk Appraisal program for all the people of Korea.

Manager, Cost Accounting & Data Reporting, Central VT Medical Center, Berlin, VT, 1998 - 2004
Provide analytic and project management support for Cost Accounting, Budget & Analysis, Internal Audits, and Reimbursement and Contracts. Cost Accountant and Data Master for financial data reporting. Design, build, and operate decision support financial analysis systems. Consolidate financial reporting to intranet system. Instruct end-users in operation of software.

Director, Quality Control, VT Sports Apparel, Randolph, VT, 1997 - 1998
Establish and manage quality control process for manufacture of golf apparel. Maintain, develop, and train users on corporate computer network. Manage workflow with outside contractor.

Director, Network Systems, Inner Traditions, Rochester, VT, 1994 – 1996
Manage, upgrade, train users on network system. Design and implement technology for communication via Internet and direct dial. Implemented Project Management software system.

Manager, National Federation of Medical Insurance, Seoul, Korea, 1986 – 2001
Participated in the preparation of the plan to extend health insurance coverage to all the self-employed in rural areas in 1988 and for all the self-employed in urban areas in 1989.

Health Services Management Graduates



Lori Johnson
University of Missouri-Columbia
MHA 2007 (expected)
BS Health Sciences in Respiratory
Care 1991

University of Missouri Health Care, Columbia, MO, 1990 – present
Assistant Manager Respiratory Care and Specialty Diagnostic Services 2004 – Present

Evaluate, coach, and counsel supervisory and pulmonary function lab staff. Coordinate new staff orientation, student clinical rotations, and provide continuing education, coordinate CQI efforts and chair committee. Investigate and resolve all patient safety net entries. Evaluate need for capital equipment purchases, coordinate all new equipment evaluations. Monitor expenses, revenue, and productivity and assist with budgetary planning for respiratory care and pulmonary function lab. Maintain and update lab policy and procedure manuals, monitor and ensure compliance to all JCAHO, CMS and CAPS requirements for respiratory care and related laboratories.

Supervisor, Respiratory Care and Pulmonary Function Laboratory, 1997-2004

Manage daily operations. Interview prospective employees, coordinate new staff orientation and all student clinical education. Evaluate, coach, and counsel employees. Supervise research compliance and data collection. Serve as a clinical resource for physicians and staff. Divisional achievement award – 1998.

Registered Respiratory Therapist, 1991-1997

Provide critical care to sick and injured. Stabilize and transport via ground and air critically ill pediatric and neonatal patients. Divisional achievement award – 1995.



Molly Kea
University of Missouri-Columbia
MHA 2008 (expected)
BSN 2005

Graduate Advisor, University of Missouri, Columbia, MO, 2006 – Present
Coordinator of the Annual Women's Leadership Conference, advised the Chancellor's Leadership Ambassadors, Network of Female Leaders, Women's Leadership Conference Steering Committee. Developed training programs for leadership education teams.

Provider Intern, APS Healthcare, Columbia, MO, Summer 2007
Reviewed and revised education materials for six chronic diseases. Developed and maintained a database of Community Resources for all Missouri counties.

Interpreter, University Hospital & Clinics, Columbia, MO, Current

Provide Khmer/English interpretation services to Cambodians who are receiving therapy, social, or medical services. Required to work with all clinical staff.

Monitor Technician, Boone Hospital Center, Columbia, MO

Alerted nursing units of life-threatening dysrhythmias of the heart. Documented rhythms for up to 84 patients and monitored minor and detailed difference in EKG strips.

Health Services Management Graduates



David Kubiak
University of Missouri-Columbia
MHA 2007 (expected)
BSN 2001
University of Missouri-Columbia
BS Biology 1993

Care Coordinator, George David Peak Memorial Burn and Wound Center, University of Missouri Hospital, April 2007-Present

Development of burn service program, public relations for burn surgeons, community outreach and education. Marketing assistance for burn services in service area and expansion areas. Coordination of services between department of surgery and hospital services, development of in-house staff and pre-hospital personnel educational offerings. Development of public safety initiatives in conjunction with public safety and service alliances. Recruitment of physician extenders to build strong patient service foundation. Supervision of research nursing personnel, coordination of research activities. Design, implementation and monitoring of continuous quality improvement for the burn service.

Staff Nurse IV/Core, University of Missouri Health Care-SIBICU, January 2001-April 2007

Supervision and orientation of new staff members, preceptor for nursing students in final semester of practicum, supervision and oversight of daily direct patient care activities as well as coordination of patient volume with medical and house supervisory management. Collection and presentation of quality assurance surveys, continued collaboration with the Office of Clinical Effectiveness for patient care improvement initiatives.

Noninvasive Cardiology Technician, University Health Care, 2000

Direct patient care and education regarding various noninvasive cardiac monitoring techniques, data gathering and interpretation for presentation to physicians, querying of implanted pacemakers for patients via remote monitoring.

Rehabilitation Technician, Rusk Rehabilitation, 1998 - 2000

Direct patient care and education regarding the rehabilitative process for patients and families directly affected by traumatic brain injuries, assisting patients and families with transition back into social milieu, training of new staff for the traumatic brain injury floor.



Matthew LeGrand
University of Missouri-Columbia
MHA 2008 (expected)
University of Missouri-Columbia
BS Business/International Finance/
BA International Studies 2005

Administrative Intern, The Methodist Hospital, Houston, TX, Summer 2007

Developed and implemented a bariatric patient tracking database for the Medical Weight Management department, gathered, compiled, and presented data for the financial portion of a Women's Health Services strategic business plan, analyzed physician data and formulated reports to aid in administrative decisions.

Support Specialist, Educational Technologies, University of Missouri, Columbia, MO, 2002 – Present

Create ways and ideas to promote educational technology services to faculty and staff, design departmental websites for various campus organizations, lead teaching sessions for faculty to teach them various technologies.

Health Services Management Graduates



Louis Magdits
University of Missouri-Columbia
 MHA 2008 (expected)
St. Louis University
 BS Health Information
 Management 2006

Administrative Intern, Missouri Veterans Commission, St. James & Mexico, MO, Summer 2007

Studied daily operations of a long-term care facility through participation in executive meetings, rotations among facilities and departments and involvement in high priority projects. Designed database for classifying resident falls to identify high risk residents and show trends among residents, units, time, shifts and months, expected to be adopted by all seven Missouri Veterans Homes.

Graduate Research Assistant, Center for Health Care Quality, Columbia, MO, 2006 – Present

Performed extensive literature reviews on patient safety topics such as verbal medication orders and the effectiveness of CPOE systems. Served as lead data analyst in studies related to the safety of verbal and medication orders in a hospital.

Student Intern, RehabCare, Clayton, MO

Revised and updated individual state health clearance and criminal background policy manuals that are now used by corporate compliance officers in all fifty states.

Designed CPT and ICD-9-CM guideline workbooks and tip sheets to assist compliance officers with on-site audits. Presented all deliverables to entire compliance department staff and educated them on appropriate medical codes.



Marjorie Matzes
University of Missouri
 MHA 2008 (expected)
Columbia College
 BSBA 2006

Clinical Assistant, University Hospital, Columbia, MO, Summer 2005 – present

Assisted with daily activities for cardiology patients, member of several CQI committees.

Executive Intern, University Hospital, Columbia, MO, Summer 2007

Participated in CQI process for glucose testing, developed an intra-hospital transportation policy, organized and presented census turnover data for each hospital unit.

Chair, Student Fee Review Committee, University of Missouri, MO

Review MU organizations' budgets for compliance with rules regarding use of student fee money.



Mistie Mills
University of Missouri-Columbia
 MHA 2007 (expected)
University of Missouri-Kansas City
 MD 2001

University of Missouri – Columbia Department of Obstetrics, Gynecology & Women's Health, Assistant Medical Student Clerkship Director, 2007 – Present

University of Missouri - Columbia Department of Obstetrics, Gynecology & Women's Health, Assistant Professor, Division of Benign Obstetrics and Gynecology, 2005 – Present

University of Missouri – Columbia Department of Obstetrics, Gynecology & Women's Health, Administrative Chief Resident, 2004 – 2005

Chief Resident, University of Missouri – Columbia, Department of Obstetrics, Gynecology & Women's Health, 2004 - 2005

Resident Physician, Department of Obstetrics Gynecology, University of Missouri-Columbia, 2001 – 2005

Research Investigator, University of Missouri – Kansas City, 2000 – 2001

Health Services Management Graduates



JaKeitha Patterson
University of Missouri-Columbia
MHA 2008 (expected)
University of Louisiana – Monroe
BA Psychology 2003

Student Research Assistant, Center for Health Quality, University of Missouri, Columbia, MO, Present

Compile information for conversion to an electronic accreditation proposal, research and create support documents, evaluate proposals for accuracy of structure and content.

Intern to VP Operations, The Methodist Hospital, Houston, TX, Summer 2007

Established patient flow process from admission to discharge for outpatient infusion center, directed development of 5-year strategic plan for Radiology Department, coordinated community screening event for 7,000 attendees, conducted bi-weekly mock JCAHO visits/rounds of clinical units, proposed and planned implementation of an employee suggestion program.

Academic/Life Skills Coach Athletic Department, University of Missouri, Columbia, MO, January 2007 – Present

Analyze students' academic performance and social abilities, construct methods to enhance students' academic and social success, collaborate with administrators to determine students' progress and performance outcomes.

Columbus Data Services, Assistant Manager, Dallas, TX, 2005 – 2006

Headed strategic initiative to improve internal networking and productivity, audited financial reimbursements and departmental budgets, trained 15+ new hires on operational and system procedures.



Abhijit Ray
University of Missouri, Columbia
MHA/MS Health Informatics
2008 (expected)
Maryville University, St. Louis
MBA 2005
University of Calcutta, India
Bachelor of Commerce 1988

Senior Designer, Cerner Corporation, Kansas City, MO

Responsible for managing a team of modelers, architects, and clinical experts for defining workflows, developing process model, and simulating care delivery process for optimization.

Senior Engineer, Cerner Corporation, Kansas City, MO

Led teams for the development of health care information technology software. Responsible for coordinating between strategist and engineering team, application design, develop database architecture, formulate testing strategy, support implementation and client interaction.

Consultant, Rapidigm Inc, Folsom, CA

Risk analysis, client management, change-control management, and vendor relationship. Actively involved in design specification, coding, code review, and quality reviews.

Project Leader, Concio Corporation, Santa Clara, CA

Manage large, complex projects involving more than thirty team members. Collaborate with executive leadership to create vision and strategy. Prepare budget, recommended remuneration, and approved expenses. Developed a conceptual framework for web based disease management application.

Team Lead, HCL Hewlett Packard Ltd., NOIDA, India

Project management, change-control mechanism, peer review, problem tracking. Led development of Standard Operating Procedure for SEI-CMM certification.

Programmer Analyst, Worldware India, Florham Park, NJ

Programming and unit testing. Participated in functional analysis and feature enhancement.

Health Services Management Graduates



Bryan Rogers

University of Missouri-Columbia
MHA 2007 (expected)
Emporia State University, Kansas
MS Education 2001
Washburn University, Topeka, Kansas
BA Education (Exercise Physiology), 1999

Exercise Physiologist, Cotton O'Neill Heart Center, Topeka, KS, 1999 – Present

Work with physicians by developing individual exercise guidelines for their patients; develop policies and procedures for exercise prescription and guidelines, maintain financial records regarding cardiac rehabilitation program, develop forms and documents required for patient orientation and evaluation, conduct patient intakes, evaluations, and orientations, supervise and educate staff over all aspects associated with resistance training and exercise progression, supervise and evaluate all interns within the department.

Certification Specialist, Aerobics And Fitness Association Of America, Sherman Oaks, CA, 2004 – Present

Cover Northern, Southern, and Eastern regions of US teaching 3-day workshops for 10-60 participants in communication, behavioral modification, business plans, exercise design, kinesiology, anatomy, and physiology; conduct workshops utilizing various lecture methods, followed by practical and written testing.

Adjunct Teaching Instructor, Washburn University. Topeka, KS, 2003 – Present

Personal Training and Strength Conditioning Certification Educator. Exercise Science Alliance, Topeka, KS, 2003 – 2004.

Organized and marketed 2-day workshops to health clubs and universities. Promoted effective and safe exercise for fitness participants by teaching innovative techniques and injury prevention.

Adjunct Teaching Instructor, Highland Community College, Holton, KS, 2001 – 2003

Cardiac Technician, St. Francis Hospital, Topeka, KS, 1999 – 2001

Administered stress tests, ECGs, Holter monitors, event recorders, and pacemaker checks throughout the facility.



Kimberly Rogers

University of Missouri-Columbia
MHA 2008 (expected)
Southern Illinois University – Carbondale
BS Management 2006

Administrative Intern to the Director, VA Northern Indiana Health Care System, Fort Wayne, IN, June 2007 – August 2007

Developed business proposal to implement a new Community Based Outpatient Clinic (CBOC) for veterans in the Miami County, Indiana, area, projected to increase access to care for veterans by three percent. Coordinated a Failure Mode and Effect Analysis (FMEA) to critique and improve the interdisciplinary NHCU orientation process.

Graduate Research Assistant, Center for Health Care Quality, Columbia, MO, January 2007 – Present

Manage data collection via mailed survey methodology for a large hospital in Canada. Assist with questionnaire development, printing, mailing, data entry, data analysis, and reporting. Manipulate large secondary data files for comparison of patient satisfaction in magnet versus non-magnet hospitals.

Athletic/Activity Academic Advisor, Student-Athlete Academic Team, Columbia, MO, January 2007 – Present

Assist with developing strategies for managing academic and athletic responsibilities. Develop long-term learning goals and weekly objectives with students. Report the academic progress of student to the athletic staff.

Health Services Management Graduates



Eric Rosenhauer

University of Missouri-Columbia
MHA 2007 (expected)
Webster University, St. Louis, MO
MBA 1997
*University of Arkansas-
Fayetteville*
BS Geology 1984

Associate Director Performance Improvement, University Physicians, University of Missouri Health Care, 2005 – Present

Direct process management and improvement for University Physicians and affiliated clinics. Plan, direct, and implement audit programs measuring and evaluating the effectiveness of management processes and controls, systems, and compliance with government regulations. Lead others in enhancing the operational, clinical, and financial processes of University Physicians.

General Electric, Commercial Finance, Moberly, MO, 2000 - 2005

Sales Force Effectiveness Leader

Improved commercial effectiveness by equipping sales reps with the tools, processes, training and support that made them successful and more productive.

National Sales Manager – Sales Support
Managed customer experience and led team of 70+ sales associates in three domestic inbound sales call center locations.

Improved phone service levels from 71% to >88%. Reduced average speed of answer from >40 seconds to <11 seconds and reduced abandonment from 14% to <3%. Improved First Call Resolution from 54% to 80%. Led Global Employer of Choice team that increased employee participation by 30% and improved Employee Survey results by 21 points.

Six Sigma Quality Master Black Belt

Led growth and improvement initiatives for division, including operations, sales support, underwriting and improving cycle time and conversion throughout the deal originations life cycle.



Matthew Rystrom

University of Missouri-Columbia
MHA 2008 (expected)
*University of Wisconsin-
Milwaukee*
BS Health Administration 2000

Executive Office Intern, Saint Louis VA Medical Center, Saint Louis, MO, Summer 2007

Data analysis and assimilation for clinic personnel and access, System Redesign - determine inefficiencies through analysis and develop recommendations or outcomes, facilitate and manage communication among clinics involved in the various projects, supervise implementation of solutions from advance clinic access, regularly update Medical Center Director, Chief of Staff, and other executive staff regarding projects.

Research Assistant, Missouri Cancer Registry, Columbia, MO

Perform user needs assessment through data collection and analysis, solution development - evaluate needs, select and manage development of appropriate applications, deploy and verify the tracking database application, manage full implementation and evaluation of user database.

Area Coordinator, ProClaimAMS, Franklin, TN

Work site in Milwaukee, Wisconsin. Performed on- and off-site audits of customer facilities throughout Midwest (Illinois, Indiana, Iowa, Minnesota, and Wisconsin) on a routine basis. Reviewed supply chain management within client facilities, determined patient eligibility for Medicare Part B benefits, educated facility employees about Medicare Part B products (i.e. Foley catheters and colostomy bags) and regulations (i.e. proper documents for billing), updated and maintained new and current patient detail reports for facilities, launched new accounts: trained facility administrators and staff, obtained/delivered paperwork to ProClaim and communicated daily in regard to facility patients.

Health Services Management Graduates



Alicia Seckman
University of Missouri-Columbia
MHA 2008 (Expected)
University of Nebraska-Lincoln
Business Administration 2006

Research Assistant, Surgery Clinic Process Renovations Team, University Physicians, Columbia, MO, August 2007 – Present

Examine and analyze current data observations collected in Surgery Clinic to determine last steps before implementation stage. Gather all necessary data and coordinate team members to gather data in order to recommend opportunities in development of proposals for renovation approval.

Internship - Process Improvements Project Specialist, University Physicians, Columbia, MO, Summer 2007

Reported directly to Associate Director for Process Improvement for University Physicians and the University of Missouri Health Care System. Reported recommendations to preceptor and project members. Participated in board, strategic planning, and managerial meetings.

Internship, Alegent Health Midlands Hospital, Papillion, NE

Rotated through hospital departments, surgery, radiology, cardiology, and nutrition units, to learn functions and processes.

Internship, Alegent Health Memorial Hospital, Schuyler, NE

Learned rural hospital departmental activities through observation in radiology, surgery, and long term care units. Gathered current hospital equipment data for use in contract negotiations with suppliers. Observed decision making process and actions required by the Executive Director for closing of the hospital's long term care unit.



Shana Tauai
University of Missouri-Columbia
MHA 2007 (expected)
Missouri Southern State University,
Joplin, MO
BS Business Administration

**Director, Support Services
Hulston Cancer Center, Springfield, MO**

Manage a diverse staff of clinical, technical and clerical staff to accomplish system goals. Operationalize cancer center strategic plan by managing budget, marketing plan, goals and performance standards for department. Knowledge of legal issues in all aspects of operations, patient rights and program accreditation.

**Complementary/Alternative Medicine Coordinator, Cox Health System
Springfield, MO**

Developed CAM educational programs, projects and special events. Performed speaking engagements and media interviews. Coordinated and promoted the Healing through Music and Art programs for patients.

Responsible for managing all budget, grant, and endowment activity. Designed and managed a CAM website to promote education and services.

Senior Auditor, St. John's Health System, Springfield, MO

Planned and directed audits throughout a large integrated health system. Directed audit staff, reviewed working papers, and composed audit reports for senior management. Completed year-end external audit work for financial attestation for system hospitals.



Allan Zhang
University of Missouri-Columbia
MHA/MS, Health Informatics,
2008 (expected)
University of Georgia
MBA 1997

**Contract Manager, BJC Healthcare,
St. Louis, MO**

Redesign contracting strategies of implantable medical devices. Work with physician leaders on new technology evaluation and adoption. Motivate clinicians and industry participants in the change process by focusing on clinical outcomes and improving total supply chain efficiency.

Senior Consultant, Sisters of Mercy Health System, St. Louis, MO

Responsible for emerging technology assessments and recommendations to the Health System's master strategic plan. Optimized clinical resources, achieving annualized cost saving of \$18M. Worked with physician leaders to develop and implement strategies to improve clinical quality and operation efficiency.

**Country Manager, OrbusNeich Medical,
Hong Kong, PRC**

Responsible for market-leading cardiovascular device manufacturer's business in China, including sales, marketing, and business development, etc. Built strong business networks with clinician leaders and national hospital and health system accounts.

**Multiple Sales/Marketing Management Positions, Boston Scientific Corporation,
Natick, MA**

Developed and implemented marketing plans for world's largest interventional medical device maker's endovascular and vascular surgery businesses in all Asia Pacific regions. Increased sales and dominated competitors through physician training on leading-edge medical technologies.

Health Services Management Graduates



Beilei Zhang

University of Missouri-Columbia
MHA 2008 (expected)
Ph.D. Candidate, Industrial
Engineering
Technical University of Munich
BS & MS Mechanical Technology
2005
Tongji University, Shanghai, P.R.
China
BS Mechanical Engineering 1998

Research Assistant, College of Engineering, University of Missouri, Columbia, MO

Identify problem matrix in six key areas of health care systems. Use systematical engineering tools, such as Six Sigma, lean technology, scheduling system, and simulations, to solve those problems.

Intern, University of Missouri Health Care, Columbia, MO

Perform coach duty in six sigma projects. Develop simulation model to evaluate process and identify the improvement alternatives.

Patient Safety Fellow, Jewish Health Foundation, Pittsburgh, PA, Summer 2006

Worked in interdisciplinary team with pharmacist, nurse, administrator, and law student to present influence of pharmaceutical industry to patient safety.

Apply Swiss cheese model to analyze errors. Provide careful recommendations from engineering, legal, educational, and management perspective.

Research Assistant, School of Engineering, Technische Universitaet Muenchen (TUM), Germany

Work for multiple institutes. Support a variety of projects contracted by top German companies, such as BMW, Siemens, Volkswagen, etc. Train to use highly advanced technologies such as 3-D modeling, online database, computer simulation.



Fang Zhang

University of Missouri-Columbia
MHA 2008 (expected)
Henan Medical University, Henan, China
Degree in Clinical Medicine 1996

Graduate Research Assistant, Center for Health Care Quality, UMC

Examine hospital verbal order processes. Conduct data analysis to evaluate error risk and improve safety. Review patient safety issues related to high-alert medications in the University Hospital.

Graduate Research Assistant, Missouri Cancer Registry, Columbia, MO

Communications Manager, Pfizer, China

Monitored and updated management on the healthcare and pharmaceutical regulation environment. Provided policy analysis on clinical trial regulation, drug pricing and reimbursement.

Identified communication opportunities, created and maintained the stakeholder communications plan. Facilitated the communication channel between Pfizer management and high-level government officials.

Collaborated on partnership programs with Chronic Disease Control Center, Ministry of Health, to provide charitable care to HIV/AIDS, mental health, and cataract patients.

MASTER OF SCIENCE IN HEALTH INFORMATICS

The University of Missouri-Columbia's Master of Science in Health Informatics is one of only a handful of leading-edge programs in the United States. The program is located in the Department of Health Management and Informatics in the School of Medicine, which is recognized for its excellence in research and national standing as a leader in primary care.

Health Informatics is the union of information science, computer science, computer engineering, and health care. The Department of Health Management and Informatics combines health administration and health informatics, one of the few programs in the country to do so. Its mission is to develop and apply management and information science in support of clinical process change that is evidence-based and population-oriented. MU has a forty-year history in the application of information technology to health care. Highlights of the program include the following:

- ❖ Database design and management; data warehousing
- ❖ Telecommunications and information networks
- ❖ Standards for clinical data communication, including structured vocabularies
- ❖ Information interventions and measurement of quality and outcomes
- ❖ Information technology in relation to organizational change management
- ❖ eHealth Care: electronic commerce in health care

The Master of Science in Health Informatics prepares professionals to respond to the dynamics of health care, equipped with the skills necessary to develop, apply and evaluate the use of information management in the health care arena. The two-year program combines technical preparation with coursework in information management and exposure to the clinical environment.

Core informatics courses build upon a foundation in computing, including database systems and networking. The core includes information system architecture, controlled vocabularies, knowledge management and engineering, system evaluation, data repositories, and information security. Students develop their ability to apply their knowledge of the discipline through problem-oriented coursework and group projects. The program targets the preparation of graduates for leadership positions in information technology in the health care delivery setting and the public health setting, leading roles in health care IT consulting, project leadership roles for health care software vendors, as well as leadership in biomedical and health services research.

Informatics Internships

During the summer between the first and second year of the program, students complete a 12-week internship under the guidance of a preceptor. Host organizations include informatics units in hospitals and other health care delivery settings, health care software vendors, and eHealth companies. Internships provide an opportunity to apply the principles and techniques obtained in didactic instruction and develop skills in a "real-world" setting. Student interns usually are paid a stipend by the host organization.

Executive Management Study

During the second year of the program, working in teams, students complete an informatics field project providing deliverables to external customers. The students develop their project management skills in addition to applying their classroom training. Students can choose to conduct a research thesis instead of an executive management project.

EXECUTIVE MASTER OF SCIENCE IN HEALTH INFORMATICS

The Department of Health Management and Informatics offers a Masters of Science in Health Informatics in an executive format. The two-year program enrolled its first class in January 2002, utilizing the rich content of the existing Master of Science curriculum in Health Informatics in an online format. This format permits working professionals to pursue the Master of Science degree in two years while maintaining full-time employment. The program begins a new cohort each Fall Semester.

Program Design - The Distance Learning Edge

The program targets the practicing professional who may be functioning in information services and who is looking for formal training in health informatics or who is seeking an additional credential for advancement. The program also targets the individual wanting to make a career move into the informatics field, whether from a health care background or a technical background. It prepares individuals to assume leadership roles in health care information technology, including Chief Information Officer, Chief Privacy Officer, software product manager, and health care IT consultant.

Students will participate through a combination of streaming media, electronic mail discussions, and chat sessions, all of which complement intensive on-campus sessions for orientation to the program, project presentations, and team exercises.

Curriculum by Semester

Spring Semester 1

Health and Human Services Systems
Design & Management of Health Info Systems

Spring Semester 2

Information Security and Policy
Theory & Application of Controlled Terminologies

Summer Semester 1

Methods of Research (Part 1)
Enterprise Information Architecture
(No on-campus sessions)

Summer Semester 2

Methods of Research (Part II)
(No on-campus sessions)

Fall Semester 1

Health Economics
Decision Support in Health Care Systems

Fall Semester 2

Knowledge Management in Health Care
Data Repositories & System Integration

Graduation in December

For further program information please call: 1-800-877-4764
Or visit us online at www.hmi.missouri.edu
Or email HMI-Admissions@health.missouri.edu

MASTER OF SCIENCE IN HEALTH INFORMATICS CURRICULUM

Health Informatics Foundation Courses

- Computer Programming
- Database Management Systems
- Microeconomics

Required Health Informatics Courses. HI candidates must complete coursework as follows:

STAT 7020	Statistical Methods in the Health Sciences
HMI 7410	Health and Human Services Systems
HMI 7430	Design and Management of Health Information Systems
HMI 7437	Data Repositories and System Integration
HMI 7443	Enterprise Information Architecture
HMI 7524	Health Economics
HMI 7689	Field Experience in Health Management and Informatics
HMI 8435	Information Security and Policy
HMI 8441	Theory and Application of Controlled Terminologies
HMI 8450	Methods of Research in Health Management and Informatics (6 credits)
HMI 8478	Knowledge Management in Health Care
HMI 8571	Decision Support in Health Care Systems
6 credits	Professional Electives

Professional Electives. Courses are taken from a variety of MU departments in areas such as finance, marketing, management, journalism, accounting, sociology, medical ethics, public administration, medicine, industrial engineering, and informatics.

Health Informatics Graduates



David Brent Baldwin
University of Missouri-Columbia
MS Health Informatics 2007
(expected)
Missouri State University
BS Computer Information
Systems 2004

**Web Application Developer,
McMurtrey/Whitaker & Associates,
Springfield, MO**

Designed and implemented the front-end site and back-end intranet for Membrell, Carthage, Missouri. Developed front end web integration with a back-end Visual Basic system linking NewThoughtStreams.com with Ingram Books, including complete database design and implementation.

**Software Engineer/Architect, Intuitive
Medical Systems, Springfield, MO**

Assisted with the design and development of UrochartEMR, an electronic medical records system; extensive work in the data layer. Developed HL7 interfaces for IDX and Centricity for UrochartEMR linking UrochartEMR to the IDX and Centricity practice management programs, including database design and implementation.

**Software Engineer, Smart Document
Solutions (HealthPort), Nixa, MO**

Assisted in complete design and redevelopment of the HealthPort EDMS. Designed and developed a new reporting solution for HealthPort; designed and developed application interfaces for HealthPort to link Windows and terminal driven applications.



Rhonda Bruxvoort
University of Missouri-Columbia
MS Health Informatics 2008
(expected)
University of Iowa
BS Medical Technology 1990

**Sr. Manager, Health Informatics, Iowa
Foundation for Medical Care,
West Des Moines, IA, 2004 – Present**

Manage multiple projects of a diverse nature, i.e., proposal development, planning, systems design, development, and implementation, customer interface and collecting and reporting on contract deliverables. Manage software development lifecycle for Information Technology projects from project initiation to delivery. Provide content expertise on program initiatives related to software products for data collection, data warehousing, and reporting. Hire, train, motivate, coach, discipline and evaluate professional and support staff, ensure staff has all resources and support needed to be successful, assist in developing product training for internal and external stakeholders.

**Director, Laboratory Services,
Broadlawns Medical Center, Des
Moines, IA, 2001 – 2004**

Responsible for laboratory department operations including fiscal, personnel, performance improvement, contract negotiations, and quality patient care. Representative for laboratory staff on BMC Information Systems workgroup. Liaison to Information Systems department for Laboratory Information System operation.

**Clinical Laboratory Scientist, University
of Iowa Hospitals & Clinics, Iowa City,
IA, 1992 – 2001**

Health Informatics Graduates



Elena V. Florea

University of Missouri-Columbia
MS Health Informatics 2008
(expected)
MS Industrial Engineering 2002
Transylvania University, Brasov, Romania
BS Mechanical Engineering 1990

Graduate Research Assistant, Department of Health Management and Informatics, University of Missouri-Columbia, MO, 2007
Involved in Active Elders projects triggered by sensor technology under development at TigerPlace: designing and implementing a web-based database to monitor day-to-day operations and activities at TigerPlace; refining application developed as an intern at TigerPlace based on usability test results; developing data mining algorithms to extract new knowledge hidden in the sensor data.

Intern, TigerPlace, Columbia, MO, Summer 2007

Designed and implemented a web-based application to display dynamic charts of data stored in a database, generated by an In-Home monitoring system. The application integrates requirements for both care providers and TigerPlace residents.

Operations Manager, Aly-son Beker, Columbia, MO

Responsible for planning, directing, and managing the daily operations of a web-based sale business.

Transaction Manager, 1122 Inc., Columbia, MO

Developed and managed transactions on eBay: digital imaging, Internet communication, accounts receivable and shipping.

Production Floor Manager, Mondex S.A., Sibiu, Romania

Managed 60-person production floor over three shifts; developed production scheduling; managed department's assets, including machines, materials, and inventory.

Marketing Engineer, Mondex S.A., Sibiu, Romania

Negotiated with foreign companies, including product development, production deadlines, and prices; translated orders for release in factory; developed monthly production schedules for each department.



Steven O'Dell

University of Missouri-Columbia
MS Health Informatics 2007
(expected)
Saint Mary's College of California
Bachelor of Health Services Administration 1994

PACS Administrator, Kaiser Permanente, Sacramento, CA, 2002 - Present

Responsible for day-to-day operation of imaging informatics for multiple disciplines: Maintenance of image workflow, archiving, auto-routing, pre-fetching and other related functionality; monitoring of DICOM image transfer, RIS validation and exceptions handling; work closely with Radiology administration to coordinate strategic planning for imaging initiatives; end-user training and support of application software; provide input in continuous quality evaluation and improvement, redesigning, evaluating and refining system components; interaction with radiologist to ensure productivity and patient turnaround.

PACS Engineer and Imaging Service Manager, Kodak Health Imaging, Fremont, CA, 1998 - 2002

Supervised service engineers for regional area servicing PACS and other imaging equipment. Areas covered were northern California, Nevada and Utah. Primary service engineer responsible for implementation and ongoing support for PACS applications within region at multiple hospitals and imaging centers. Coordinated system integration with numerous vendors of medical network components.

Radiological Associates of Sacramento, Sacramento, CA, 1988-1998

As a member of the IT department for the oldest independent radiology group in Sacramento, was responsible for the following: Installed a teleradiology system supporting multiple facilities for centralized interpretation; installed WAN infrastructure for supporting networked applications; simplified radiology transcription systems for faster turnaround time of dictated reports; system operations (backups, disaster recovery, security).

Health Informatics Graduates



Abhijit Ray
University of Missouri-Columbia
MHA/MS Health Informatics 2008
(expected)
Maryville University, St. Louis
MBA 2005
University of Calcutta, India,
Bachelor of Commerce 1988

**Senior Designer, Cerner Corporation,
Kansas City, MO**

Responsible for managing a team of modelers, architects, and clinical experts for defining workflows, developing process model, and simulating care delivery process for optimization.

**Senior Engineer, Cerner Corporation,
Kansas City, MO**

Led teams for the development of health care information technology software. Responsible for coordinating between strategist and engineering team, application design, develop database architecture, formulate testing strategy, support implementation and client interaction.

Consultant, Rapidigm Inc, Folsom, CA

Risk analysis, client management, change-control management, and vendor relationship. Actively involved in design specification, coding, code review, and quality reviews.

Project Leader, Concio Corporation, Santa Clara, CA

Managed large, complex projects involving more than thirty team members. Collaborated with executive leadership to create vision and strategy. Prepared budget, recommended remuneration, and approved expenses. Developed a conceptual framework for web-based disease management application.

Team Lead, HCL Hewlett Packard Ltd., NOIDA, India

Project management, change-control mechanism, peer review, problem tracking. Led development of Standard Operating Procedure for SEI-CMM certification.

Programmer Analyst, Worldware India, Florham Park, NJ

Programming and unit testing. Participated in functional analysis and feature enhancement.



Christy Troxell
University of Missouri-Columbia
MS Health Informatics 2007
(expected)
Rhode Island College
MA Agency Counseling
University of Illinois at Chicago
BS Occupational Therapy 1979

University of Indianapolis, Indianapolis, IN

- Assistant Professor – School of Occupational Therapy, 2006 – Present
- Visiting Associate Professor – School of Occupational Therapy, 2002 - 2006
- Adjunct Faculty – School of Nursing, 2005 - Present
- Adjunct Faculty – School of Adult Learning, 2003 – 2006

Indiana Business College, Indianapolis, IN

Adjunct Instructor – Department of Information Technology, 2006

C&V Consulting, Inc., Carmel, IN

Network Consultant/Systems Administrator and Co-Owner, 2001 - 2004

WRS, Ltd., Indianapolis, IN

Network Consultant/ Systems Administrator, 2000 - 2001

Ivy Tech State College, Indianapolis, IN

Program Chair – Associate of Science in Occupational Therapy, 1995 - 2000

1979 - 2002

**Alexandria Health Care Center,
Alexandria, IN**

**Achievement Rehabilitation,
Indianapolis, IN**

Newport Hospital, Newport, RI

Presbyterian Medical Center, Dallas, TX

**Baylor University Medical Center,
Dallas, TX**

**- Registered and Licensed
Occupational Therapist**

Health Informatics Graduates



Linda K. Wolfe
University of Missouri-Columbia
MS Health Informatics 2007
(Expected)
National University, San Diego,
CA
BS Computer Science 1989

Intern, Temecula Valley Family Physicians, August 2007 - Present

Goal of the internship is to rotate through all positions in the medical practice, including the front office, nurses' station, assisting with patients, shadowing physicians, billing and working with the EMR system to gain an understanding of office workflow and practices within the medical group.

Research Associate (student volunteer) Scripps Healthcare, San Diego, CA, 2006

Assisted the Director of Patient Care Services for Scripps Home Health Services in conducting a systematic review of the literature on the efficacy of telemonitoring in an evidence-based congestive heart failure model. Research was integrated into Scripps Home Health clinical pathways and used to support a grant application for telehealth funding. Assisted in compiling grant application.

Graduate Student, Freelance Web Developer & Full Time Parent, 2000 – Present

Worked with clients to design and develop web sites and applications, most recently <http://www.temeculadancecompany.com>. Site includes Java Script menus and connectivity to third party database using custom server-side PHP scripts.

Web Designer/Programmer (Contract Position) Opto 22, Temecula CA, 2000

Redesigned the Opto 22 web site and wrote scripts to manage forms data.

Professional Expert, Los Angeles County Office of Education - Los Angeles, CA, 2000

Wrote server-side scripts using Perl/UNIX to implement on-line training courses for Los Angeles County school web sites.

Web Site Designer/Software Engineer, Principal, City Web Design, - Temecula, CA, 1996- 2000

Designed and developed award winning web sites, including e-commerce sites. Procured and managed contracts with several large companies, including Inland Valley Medical Center web site development project. Brought appropriate professionals together and managed project. Presented design concept and worked directly with hospital administrator and staff. Developed training program for staff on the management of the virtual nursery database.



Vasavi Yeleti
University of Missouri-Columbia
MS Health Informatics 2007
(expected)
University of Madras, Chennai,
India
Master of Commerce 1991
Bachelor of Commerce 1989

Senior Systems Analyst, Ascension Health, St. Vincent's Hospital, Jacksonville, FL, 2007 – Present

Member of the enterprise team responsible for building and maintaining the interfaces between the different systems the hospital uses.

Database Programmer/Analyst-Specialist, University of Missouri-Columbia, 2004 – 2007

Department of Residential Life:
Designed and implemented systems architecture, to integrate departmental systems with campus-wide system. Identified, planned, and developed departmental IT projects to automate manual processes. Mediated between the department and system level IT groups.

Department of Surgery:
Designed and developed an easy to maintain Access based application for a breast cancer research project which the staff can easily maintain themselves and can also perform quick and easy changes.

Software Engineer, Altair Engineering, Troy, MI, 2003 – 2004

Project lead for implementation of Quality Module, 11i, Oracle Financial and Manufacturing Suites for client medical device manufacturing company. Used Oracle Application Implementation Methodology (AIM) to manage and document implementation process, planned, designed and developed web-based application to track call center reps' performance on daily, weekly, and monthly basis. Assisted Homecare Department in data clean-up and duplicate processes/systems elimination process.

Senior Consultant/Team Lead, Indytech Corp. Indiana, IN, 2001 – 2003

Assisted business developers, scope, manage and implement projects. Provided short term and long-term solutions to clients to improve business process and operations.

Senior Application Developer, Envitec Corp, Boston, MA, 2000 – 2001

Senior Oracle Financial Consultant, Altair Engineering, Troy, MI , 1999 – 2000

Health Informatics Graduates



Allan Zhang
University of Missouri-Columbia
MHA/MS Health Informatics,
2008 (expected)
University of Georgia
MBA 1997

**Contract Manager, BJC Healthcare,
St. Louis, MO**

Redesign contracting strategies of implantable medical devices. Work with physician leaders on new technology evaluation and adoption. Motivate clinicians and industry participants in the change process by focusing on clinical outcomes and improving total supply chain efficiency.

**Senior Consultant, Sisters of Mercy
Health System, St. Louis, MO**

Responsible for emerging technology assessments and recommendations to the Health System's master strategic plan. Optimized clinical resources, achieving annualized cost saving of \$18M. Worked with physician leaders to develop and implement strategies to improve clinical quality and operation efficiency.

**Country Manager, OrbusNeich Medical, Hong
Kong, PRC**

Responsible for market-leading cardiovascular device manufacturer's business in China, including sales, marketing, and business development, etc. Built strong business networks with clinician leaders and national hospital and health system accounts.

**Multiple Sales/Marketing Management
Positions, Boston Scientific Corporation,
Natick, MA**

Developed and implemented marketing plans for world's largest interventional medical device maker's endovascular and vascular surgery businesses in all Asia Pacific regions. Increased sales and dominated competitors through physician training on leading-edge medical technologies.

DOCTOR OF PHILOSOPHY IN INFORMATICS

The Doctor of Philosophy in Informatics at the University of Missouri-Columbia leverages the strengths and resources of MU to offer an interdisciplinary program targeting local, state and national needs. Building upon a tradition of outstanding informatics education and research, the program is administered by the University of Missouri Informatics Institute (MUII).

Doctoral candidates select a concentration in Health Informatics or Bioinformatics. Each emphasis area stresses skill sets and research appropriate to the subfield within the broad area of informatics. A core curriculum provides all students with a foundation of knowledge and tools in mathematics, computer sciences, and biological sciences, after which students will then complete further coursework in their chosen emphasis area.

This degree program is designed for students interested in a career in informatics research and education. Demand is high at the national and state level for individuals with skills in the informatics field, and graduates will possess the preparation and capabilities to become independent investigators on faculties in informatics, health services management, medicine, nursing and other health professions, or in commercial and public research institutions. The program will prepare students to assume positions in basic and translational research, public policy, and information systems development in the health industry.

Students are accepted into the program with diverse backgrounds and varying degrees of experience. Acceptance into the program is not precluded by minor deficiencies in background, but is conditional on the completion of prerequisite coursework before or during the first year of study.

DOCTOR OF PHILOSOPHY IN INFORMATICS CURRICULUM

All students in the PhD degree program will be required to take 18 credit hours from common core courses and concentration-specific core courses. The students will consult with the graduate committee or the thesis advisor to determine which courses to take.

Prerequisite courses: Candidates are required to complete the same prerequisite courses as for the Master of Science in Health Informatics. Bioinformatics candidates are required to take two additional courses:

CS 4050 (Design and Analysis of Algorithms I)

CS 4320 (Software Engineering I) or CS 4330 (Object-Oriented Design)

Informatics Core Courses: All candidates are required to complete the following courses:

- Fundamentals of Bioinformatics
- Design and Management of Health Information Systems
- Evaluation of Health and Bioinformatics (In addition, two prerequisite statistics courses)
- Inquiry into Health and Bioinformatics

Health Informatics Concentration. Candidates must complete coursework as follows:

- Administration of Health Care Organizations
- Knowledge Management in Health Care
- Decision Support in Health Care Systems
- Enterprise Information Architecture
- Data Repositories and System Integration
- Information Security and Policy

Candidates may choose additional courses from among:

- Public Health Informatics
- Consumer Informatics
- Decision Making for Health Care Organizations
- Public Health and Medical Care Economics

Bioinformatics Concentration. Candidates must complete coursework as follows:

- Topics in Bioinformatics
- Computational Methods in Bioinformatics
- String Algorithm
- Computer Assisted Sequence Analysis and Molecular Modeling

Elective Credits: (12 Credits)

All students will select additional courses as electives. The number of elective credit hours might vary depending on the candidate's chosen area of research. For the Health Informatics Emphasis, elective courses are based on the emphasis area (Consumer Health Informatics, Public Health Informatics, Health Systems Informatics, or Clinical Informatics). The purpose of the elective courses from outside departments is to strengthen students' background in complementary areas, especially in biology and statistics. Any MU graduate course can serve as an elective course, subject to approval from the student's advisor or the graduate committee. Courses may be chosen from among selected graduate level courses in Statistics, Biology, Health Informatics, Industrial Engineering, School of Journalism, School of Nursing, Truman School of Public Affairs, Computer Science, and School of Information Science and Learning Technologies.

Bioinformatics students will undertake defined lab rotations. All students will complete a noncredit ethics seminar, participate in journal club, teach at least one semester or complete a course in college teaching, and complete a dissertation.

For further information regarding the Health Informatics concentration, please contact:

Adrienne Vogt
Health Management & Informatics
University of Missouri School of Medicine
324 Clark Hall
Columbia, Missouri 65211

For further information regarding the Bioinformatics concentration, please contact:

Dr. Charles Caldwell
University of Missouri School of Medicine
M214A, One Hospital Drive
Columbia, Missouri 65212

RESEARCH FELLOWSHIPS IN HEALTH INFORMATICS

National Library of Medicine

Through a grant from the National Library of Medicine, the Department of Health Management and Informatics offers research training in health informatics at the pre-doctoral and post-doctoral levels. This prestigious fellowship program, one of eighteen in the nation, prepares individuals for academic and scientific research-oriented careers in health informatics. Formal training exposes fellows to a broad range of activities relating to the rubric of health informatics including electronic health records, controlled vocabularies, telehealth, consumer informatics, eHealth, and bioinformatics. Fellows conduct independent research with support from a faculty mentor. Mentors are drawn from the many collaborative academic units that provide faculty members for the health informatics program, including MU's College of Education, College of Engineering, School of Medicine, and College of Veterinary Medicine. Many fellows combine their informatics training with complementary degree programs, residencies, and fellowships to create a personalized educational opportunity.

A close relationship with the Integrated Technology Services unit at the MU Health Sciences Center offers fertile ground for hands-on collaboration. In addition to ongoing telemedicine activities, the center currently is deploying one of the most advanced health information and decision support systems in the country, providing an ideal laboratory for applied informatics research.

Research activities are supplemented by coursework in the following competency areas.

- ❖ Design and Implementation of Health Information Systems
- ❖ Decision Support Systems
- ❖ Decision Analysis
- ❖ Computer Networks
- ❖ Controlled Vocabularies
- ❖ Database Systems

INTERNSHIP PRECEPTORS

Preceptors are executives and senior managers in the health care industry who supervise the summer internships for health management and informatics students. Each preceptor is personally involved as an instructor, coordinator of the experience, and role model.

MARK ANDERSON

*Senior Vice President and Chief Information Officer
Yale-New Haven Health System
New Haven, CT*

GAYLE CAPOZZALO

*Senior Vice President, Strategy and System Development
Yale-New Haven Health System
New Haven, CT*

ALLISON CORRY

*Senior Consultant
ARAMARK Healthcare
St. Louis, MO*

KAY DAVIS

*Director, Patient Financial Services
University of Missouri Health Care
Columbia, MO*

T.J. GRASSETTI

*System Director, Strategic Alignment
Banner Health
Phoenix, AZ*

TRACY GREEN

*Director
Chronic Care Improvement Program
APS HealthCare Healthy Together
Jefferson City, MO*

KRISTIN HARLAN

*Assistant Manager
Support Services Informatics
University of Missouri Health Care
Columbia, MO*

JOHN HORNICK

*Director of Nursing Services
University of Missouri Health Care
Columbia, MO*

BRIAN J. JOHNSTON

*Director of Business Development
St. Luke's Health System
Hedrick Medical Center
Chillicothe, MO*

KARIN LARSON-POLLACK

*Vice President, Operations
The Methodist Hospital
Houston, TX*

WILBERT MEYER

*Associate Director
Health Management & Informatics Group
University of Missouri School of Medicine
Columbia, MO*

MELISSA NELSON

*Administrator
Division of Pediatrics
Cleveland Clinic
Cleveland, OH*

BRUCE RAMSHAW

*Chief, Division of General Surgery
University of Missouri Health Care
Columbia, MO*

MARILYN RANTZ

*Professor
Sinclair School of Nursing
University of Missouri
Columbia, MO*

CLARE ROSE

*Vice President, Operations
The Methodist Hospital
Houston, TX*

ERIC ROSENHAUER

*Associate Director
University Physicians
University of Missouri Health Care
Columbia, MO*

CATHI SPIVEY-PAUL

*Director
VA Northern Indiana Health Care System
Fort Wayne and Marion, IN*

GLEN STRUCHTEMEYER

*Director
St. Louis VA Medical Center
St. Louis, MO*

DOUG WAKEFIELD

*Director, Center for Health Care Quality
University of Missouri School of Medicine
Columbia, MO*

ANN WATERS

*Manager of Homes Program
Missouri Veterans' Commission
Jefferson City, MO*

RON WEBB

*CEO
Valley View Regional Hospital
Ada, OK*

FACULTY

PATRICIA ALAFAIREET, MHA

*Clinical Instructor
Director of Applied Health Informatics*

KEITH E. BOLES, PHD (Retired)

Adjunct Associate Professor

KENNETH D. BOPP, PHD., MA

*Clinical Professor,
Director, HMI Group*

SUZANNE A. BOREN, PHD, MHA

Assistant Professor

GORDON D. BROWN, PHD

Professor

J. WADE DAVIS, PHD

Assistant Professor

ROBERT DEGRAAFF, PHD, MBA

*Clinical Assistant Professor
Director of Graduate Studies*

DAVID A. FLEMING, MD

*Professor of Clinical Medicine
Director, Center for Health Ethics*

YANG GONG, MD, PHD

Assistant Professor

ANDREW GRANT, PHD

Adjunct Professor

MICHAEL HARRIS

Clinical Instructor

LANIS L. HICKS, PHD

*Professor
Program Director, Health Services Management*

ALI A. HUSSAM, PHD

*Clinical Associate Professor
Division, Strategic Information Technologies*

**JEANNETTE JACKSON-THOMPSON, PHD,
MPH**

*Research Associate Professor
Operations Director, Missouri Cancer Registry*

JULIE KAPP, PHD

*Assistant Professor
Family and Community Medicine*

NARESH KHATRI, PHD

Assistant Professor

ANJUM KHURSHID, MBBS, PHD

*Research Assistant Professor
Director, Health & Behavioral Risk Research
Center*

KENNETH W. LOBENSTEIN, JD

Adjunct Assistant Professor

JAMES MARZOLF, MD, MS, MPH

Adjunct Assistant Professor

WILBERT E. MEYER, MHA

*Clinical Instructor
Associate Director, HMI Group*

DAVID E. MOXLEY, MLS

*Clinical Instructor
Associate Director, Executive Programs*

KALYAN PASUPATHY PHD

Assistant Professor

GREGORY F. PETROSKI, PHD

Research Assistant Professor

WIN PHILLIPS, PHD

Clinical Assistant Professor

MIHAIL POPESCU, PHD

Assistant Professor

CHERYL RATHERT, PHD

Assistant Professor

JEREMIAH SABLE, MD, MHA

Adjunct Assistant Professor

GRANT T. SAVAGE, PHD

HMI Alumni Distinguished Professor

GERALD M. SILL, JD

Adjunct Professor

DOUGLAS S. WAKEFIELD, PHD

*Professor
Director, Center for Health Care Quality*

ILLHOI YOO, PHD

Assistant Professor

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