MAX E. SABER, MSHI, DHA

Detailed Curriculum Vitae

914 Lake Road, Tiverton, RI 02878

(774) 644-1542 | max@maxsaber.com | https://maxsaber.com

EDUCATION

Doctorate in Healthcare Administration (DHA)   **November 2020**

Concentration in Information Systems and Leadership

Medical University of South Carolina, Charleston, SC

Department of Healthcare Leadership and Management, College of Health Professions

Dissertation: Risk of medical events for falls, fractures, confusion, and delirium for patients with filled prescriptions for drugs listed on Beers Criteria compared to well-matched controls.

Master of Science in Health Informatics (MSHI)   **May 2014**

Northeastern University, Boston, MA

Khoury College of Computer Sciences & Bouvé College of Health Sciences

Thesis: Implementing a simulated electronic medical record system for undergraduate and graduate interprofessional healthcare education.

Bachelor of Science in Pharmaceutical Sciences   **May 2012**

Massachusetts College of Pharmacy and Health Sciences, Boston, MA

Department of Pharmaceutical Sciences, School of Pharmacy

ACADEMIA

Massachusetts College of Pharmacy and Health Sciences, Boston, MA

Adjunct Professor of Healthcare Business   January 2019 – present

- Developed 7 undergraduate, Master's, and Doctoral level courses in the areas of healthcare business, health informatics, data analysis and visualization, and statistical research methods
- Regularly evaluated assignment and course level assessment data in a year-over-year approach to ensure continued student success in meeting course outcomes and objectives
- Utilized a hands-on approach in all courses by integrating real-world data sets and analytical tools such as, SPSS, Tableau, and SAS as key course learning elements and objectives

Adjunct Professor of Healthcare Administration   May 2014 – December 2018

- Developed and delivered a course titled "Managing Healthcare Information Systems" as a core, required course in the Master of Healthcare Administration program with an average enrollment of 30 students per semester
- Assessed learning outcomes using written assignments, small group projects, and case studies

RESEARCH

Doctoral Researcher   May 2019 – November 2020

Department of Healthcare Leadership and Management, Medical University of South Carolina

- Doctoral research conducted with Dr. Kit Simpson, DrPH focused on linking selected side effects of Beers Criteria medications to a logically associated hospital admission in community-dwelling elderly individuals aged 65 years and over.

- Independent doctoral research conducted with Dr. Mark Mellott, Ph.D. focused on surveying commercially available large-market electronic health record (EHR) systems for their adverse event alerting and reporting capabilities with a specific focus on Beers' Criteria medications.

Undergraduate Researcher   January 2012 – April 2012
School of Pharmacy, Massachusetts College of Pharmacy and Health Sciences

- Undergraduate independent research concentrated on using existing financial data validation models and their feasibility for use within EHR systems to ensure the integrity of key patient data designated by Meaningful Use regulations.
- Drafted a manuscript titled "Employing Financial Data Validation Techniques to Achieve Meaningful Use Standards in a Certified EHR System."

INDUSTRY

Massachusetts College of Pharmacy and Health Sciences, Boston, MA
COVID-19 Data Scientist, COVID-19 Team   September 2020 – present

- Maintained the COVID-19 testing and surveillance data warehouse integrating internal and external data sources
- In partnership with the COVID-19 Team Chair, reviewed and approved, or recommended changes to each of the University's Clinic Reopening Safety Plans
- Co-authored sections of the FlexPlan 2020 and the Return to Campus 2021 guide

Systems Engineer, Information Services   January 2016 – present

- Lead the implementation and assumed operational responsibility of 6 of the 7 electronic health record systems used within the University's clinical spaces
- Manages teams consisting of systems engineers, security analysts, programmers & developers, and end-users for the implementation of new business applications
- Regularly leads discussions with department and business unit stakeholders to evaluate current processes and workflows; identifying areas for business process optimization

Systems Support Specialist, Information Services   May 2012 – January 2016

- General administration and management of different information systems, including regular software updates, programming, scripting, and reconfiguration of program modules, and back-end SQL server and database maintenance.

Newport Hospital, Newport, RI
Performance Evaluation and Improvement Analyst   June 2007 – August 2008

- Extracted patient care data using Lifespan's proprietary chart abstraction tools to ensure data consistency in care reporting databases
- Tracked and analyzed core measure data in accordance with standards set by the Joint Commission on Accreditation of Healthcare Organizations
- Partnered with the Director, Performance Evaluation and Improvement to design a portion of Lifespan's Medication Reconciliation program, this program was later replicated in all Lifespan facilities

TEACHING

Instructor of Record   **May 2014 – present**
Massachusetts College of Pharmacy and Health Sciences

- Fully responsible for all aspects of syllabus design, course development, instruction, and assessment for each of the courses listed, delivered in an online, asynchronous format.

Data Collection, Analysis, and Representation in Healthcare (HCM.828)
Spring 2022

- This doctoral level course focused on data collection techniques, critical evaluation of data sources and datasets, and data visualization methods using various deidentified and synthetic research data sets. Students used SAS Foundation and SAS Enterprise Guide to learn statistical and data modeling techniques and SAS Visual Analytics Suite to construct visualizations and interactive dashboards.

Informatics & Data Analysis (HCM.820)
Spring 2019, Summer 2019, Spring 2020, Summer 2020, Fall 2020, Spring 2021 (three sections), Spring 2022

- This Masters level course provides a hands-on approach to performing statistical data analyses on synthetic datasets to describe population characteristics, identify trends and associations, and show how data analytics are employed to answer real-world healthcare access and cost questions using SPSS. Students used Tableau during the course's data visualization modules to build reports and interactive dashboards.

Business Statistics
Fall 2019, Spring 2020, Fall 2021, Spring 2021, Summer 2022

- This Masters level course focuses on reinforcing the use of standard statistical methodologies in collecting, evaluating, and analyzing business and healthcare data. This course teaches students how tools like SPSS are used during the process of supporting managerial and organizational decision making.

Managing Healthcare Information Systems
Summer 2014, Summer 2015, Summer 2016, Summer 2017, Summer 2018

- This Masters level course examined the implementation, management, and integration of healthcare information systems and data quality standards in today's healthcare environment. Emphasis was placed on the intersection of clinical information systems and the administrative functions of an Information Services department, IT service delivery, IT governance, data privacy and security, and organizational strategic planning.

Data Visualization
Fall 2021

- This undergraduate-level course centers on the fundamental statistical and data analysis methods used in healthcare and health services research. Through this course, students are asked to analyze and interpret data while making informed business decisions based on the outcomes of their analyses. Students also were taught basic and intermediate data visualization techniques and best practices using Tableau's interactive data visualization software.

PEDAGOGICAL DEVELOPMENT

Fall 2022	Translating Social and Behavioral Issues: Advanced Data Query, Analysis, and Display
	Human Factors and Information Systems
Spring 2022	Health Data Programming and Database Structure
	Health Data Security and Ethics
Fall 2021	Data Collection, Analysis, and Representation in Healthcare
Summer 2021	Data Visualization (course redevelopment)
Summer 2019	Business Statistics (course redevelopment)
Spring 2019	Clinical Informatics and Data Analysis
Fall 2018	Informatics & Data Analysis
Summer 2014	Managing Healthcare Information Systems

PUBLICATIONS

Saber, ME., Risk of Medical Events for Falls, Fractures, Confusion, and Delirium for Patients with Filled Prescriptions for Drugs Listed on Beers Criteria Compared to Well-Matched Controls (2020). *MUSC Theses and Dissertations.* 534. https://medica-musc.researchcommons.org/theses/534

INVITED PRESENTATIONS

Saber, ME. HITECH and Meaningful Use - 2021. MCPHS University, School of Physician Assistant Studies. August 12, 2021.

Saber, ME. HITECH and Meaningful Use. MCPHS University, School of Physician Assistant Studies. June 6, 2020.

Saber, ME. Survey of Adverse Drug Alerting Capabilities for AGS Beers Criteria® Medications. Medical University of South Carolina. June 8, 2019.

Saber, ME. Examining the "July Effect" on the Prescribing of AGS Beers Criteria® Medications. Medical University of South Carolina. June 6, 2019.

Saber, ME. Information Technology and Electronic Health Record Systems. MCPHS University, School of Optometry. March 17, 2015.

Saber, ME. Information Services Lunch and Learn Series: Bradford Net Sentry. MCPHS University, Information Services. August 15, 2014.

INSTITUTIONAL SERVICE

MCPHS University

Apr. 2022 – present	Blackboard Ultra Pilot, Strategic Committee Member, and Pilot Participant
Feb. 2022 – present	Blackboard Governance Committee, Member
Feb. 2022 – present	Policy Development Subcommittee, Blackboard Governance Committee, Chair
Feb. 2021 – May 2021	COVID-19 Vaccine and Steering Committee, Member
Sep. 2020 – present	COVID-19 Response Team, Data Scientist
Mar. 2020 – present	Campus Operations Subcommittee, Recovery and Planning Task Force, Member
Feb. 2017 – Dec. 2017	ExamSoft Implementation Committee, Technology Liaison

Colleges of the Fenway

October 2013 – present	Network Administrators Committee, Member

PROFESSIONAL ACTIVITIES

Elected Board Positions

Sep. 2013 – Aug. 2016	Secretary, Alumni Association Board of Directors, MCPHS University
Sep. 2013 – Aug. 2014	Secretary, Young Alumni Association Board of Directors, MCPHS University

PROFESSIONAL MEMBERSHIPS

2021 – present	Alpha Eta Society
2021 – present	Upsilon Phi Delta Honor Society
2017 – present	American College of Healthcare Executives (ACHE)
2017 – present	LGBTQ Healthcare Leaders Community, American College of Healthcare Executives
2013 – present	American Health Information Management Association (AHIMA)
2012 – present	Healthcare Information and Management Systems Society (HIMSS)

LICENSURES & CERTIFICATIONS

Dec. 2022 (ant.)	Certified Professional in Healthcare Information and Management Systems (CPHIMS), Health Information and Management Systems Society
Dec. 2022 (ant.)	Certified Health Data Analyst (CHDA), American Health Information Management Society
Feb. 2021 – Feb. 2022	Notary Signing Agent (160950750), National Notary Association
Dec. 2020 – Dec. 2024	Notary Public (HH-69229), State of Florida

HONORS & AWARDS

May 2021	Deans Award, Medical University of South Carolina
May 2019	Innovative Solutions Award, MCPHS University
May 2014	Superior Employee Quality Service Award, MCPHS University
Jun. 2008	Ralph A. Mollis, Rhode Island Secretary of State Award for Civic Leadership

PRESS

Meet the COVID-19 Team. (2022, February). *The President's Newsletter, 5.*
Role-Playing in the Innovation Economy. (2016, August). *The Bulletin,* 11.
Serving MCPHS with Absolute Commitment. (2015, March). *2014 Report on Giving,* 7.

OUTREACH & PUBLIC ENGAGEMENT

2020 – 2021	Winter Park Pride Project, Winter Park, FL
2015 – 2019	Harbor to the Bay, Boston, MA

TECHNICAL SKILLS

Cloud: Microsoft365 Administration, Microsoft Azure, Azure DevOps, Azure Storage Migration, Google Workspace administration, IAM/SAML.

Data Science: Data management, data analytics, database design and management, Tableau/Tableau Prep, SAS, SAS Visual Analytics, SAS OnDemand for Education, SPSS, Stata.

Web: HTML, CSS, JavaScript, SQL, LaTeX, Markdown, Jekyll, Git, GitHub Classroom.

Healthcare Information Systems: eClinicalWorks, Compulink Advantage (Optometry), Dentrix Enterprise, axiUm Ascend, Siemens & Candelis Radiology PACS, RxGENESYS Pharmacy Management, UnifiedPractice (Acupuncture/Chinese Medicine), Helioscripts (eRx/Compounding Pharmacy Management).

RESEARCH INTERESTS

Healthcare administration, health services research, patient safety and healthcare quality, cost, and comparative effectiveness, social determinants of health, and health issues and disparities in the LGBTQIA+ community.