

ANGELA D. ROBINSON-SMITH

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EDUCATION

- Present **Northwestern University**, Evanston, Illinois
Ph.D. Student, Technology & Social Behavior Doctoral Program, School of Communication & McCormick School of Engineering – Electrical Engineering & Computer Science (Expected Spring 2021)
- 2013 **Eastern Michigan University**, Ypsilanti, Michigan
Masters of Science in Information Assurance, Concentration in Risk Management & Digital Forensics, of the College of Technology
- 2009 **University of Michigan**, Ann Arbor, Michigan
Bachelor of Arts in Screen Arts and Cultures, College of Literature, Science, and Arts

RESEARCH INTERESTS

user experience (UX), human-computer interaction (HCI), user-centered design, mental health, community embedded research, trust, privacy, online health communities, qualitative research, intervention-generated inequalities

AWARDS & HONORS

AMIA Student Design Challenge Semi-Finalist (Second Place), Smith, Angela D.R.,

Weingarten, Noah, Ng, Ada, Pacheco, Jennifer, Burgess, Eleanor M. (2017). *Sensi-steps: Using Patient-Generated Data to Prevent Post-stroke Falls*, prototyped, designed, and tested a mobile application that leveraged patient-generated data and the timed up and go test in a patient's home setting to measure ambulatory speed and help prevent falls in post-stroke patients.

Cornell Social Impact Summer School (2018), Selected to attend a summer program at Cornell University to understand how values are embodied in technology design and ideate about design alternatives and future research directions.

RESEARCH EXPERIENCE

- 2016 – Present **Graduate Student Researcher**, People, Information, & Technology Changing Health (PITCH) Lab, Northwestern University, Evanston, Illinois
Research assistant on a two-year multi-site grant entitled “Staying Connected: Challenges and Opportunities in Providing Mental Health Services to Homeless Young Adults,” Delaney Foundation (PI: Madhu Reddy, 2017-2019; Co-PI: Stephen Schueller, 2017-2019)
- 2008 – 2009 **Research Assistant**, Department of Dermatology, University of Michigan Medical School (Andrzej Dlugosz, MD) Identified the effects of the Hedgehog Pathway and Merkel Cells on cancerous cells through PCR, Western Blots, harvesting, dehydrating.
- 2008 – 2008 **MedSOAR**, Department of Pathology, University of Michigan Medical School (Jeffrey Jentzen, MD) Worked in the morgue, assisting and conducting autopsies, identifying the causes of death. Researched and analyzed the efficiencies of autopsies specifically within the community at large and the University of Michigan.

POSTERS

- 2018 **Consumer Health Informatics in the Midwest (2018), Smith, Angela D.R.**, Eschler, Jordan, Reddy, Madhu, Schueller, Stephen M., *Technology and Community: Supporting the Health and Mental Health Needs of Homeless Young Adults*

PROFESSIONAL EXPERIENCE

- 2015 –2017 **Technical Engineering Senior Analyst**, Ascension Health Information Services, Troy, Michigan
- Design, build and maintain Tableau dashboards to provides focused and value added IS analyses, reports and related correspondence to the Board of Directors, senior institution management, and outside stakeholders in order to foster positive change.
 - Developed and implanted key performance metrics revolving the Security Operations team in order to track progress and improvement of the team on a monthly basis.
 - Interprets information and reviews IS data in order to make decisions, establish priorities, and develop hypotheses to facilitate the understanding of events as well as makes projections to forecast IS risk trends.
 - Leading multiple work streams in strategy development and implementation by creating and managing processes and methodologies, coaching and allocating resources, and driving and presenting the teams' deliverables to senior leaders and key stakeholders.
- 2014 – 2015 **IT Governance, Risk & Compliance Associate, SAP Implementation**, KPMG, LLP, Chicago, Illinois
- Provided coordination on SOC1 engagements by identifying control objectives, planning, supervising, and executing control testing and documentation of IT General, Application, and Process controls.
 - Responsibilities included coordinating with client contacts, completing SOC1 audit programs and memos, testing the design and effectiveness for each control, creating a control status-tracking document, and working with management to finalize the report.
 - Researched and evaluated external companies' social media presence in order to establish company procedures and policies for handling both social media and branding risk in order to optimize the company performance while mitigating inherent risk.
 - Performed walkthroughs and testing of SOX GITC controls (computer operations, access security, network & data communications) and various business process controls (certification, authorization, risk management) in preparation of Service Organization Controls (SOC) 1 & 2 reports in accordance with Statement on Standards for Attestation Engagements (SSAE) No.16 for a Fortune 500 banking company and global manufacturing company.
- 2014 – 2014 **Enterprise Risk Management Associate**, Plante Moran, LLC, Chicago, Illinois
- Processed application security and control assessments performed include identifying, mapping, evaluating the effectiveness of process security controls, and developing recommendations for improving the business process under review.
 - Executed analytic procedures in various areas (accounts receivables profiling, cardholder confirmations, rewards programs, separate accounts investments), which involved updating SAS programs and reconciliations of these accounts.

- Designed and built a database for the ERM department to automate the risk identification, risk assessment, risk mitigation, and key reporting procedures.
 - Performed data analysis and forensic investigation of 10,000 employees' Payroll and other data from Oracle that led to significant changes in Policies and Procedures to limit potential inefficiencies. Audit findings led to efficiencies gained in employees' scheduling and assignments.
- 2013 – 2013 **Corporate & Financial Investigations Intern**, Blue Cross Blue Shield, Detroit, Illinois
- Testing and reporting on different programs to aid in the new Healthcare Exchange.
 - Setting up SharePoint sites to facilitate the Underwriting department to track renewals.
 - Performed data mining and analyzed numerical data to aid in creating an intelligence package containing link analysis, identification of aberrant activity, provider and subscriber information, potential persons to interview.
 - Creating and presenting statistical reports to BCBSM, the BCN Board, and external areas.

PROFESSIONAL DEVELOPMENT IN TEACHING

- WI2016 **Teaching Assistant**, Human-Computer Interaction, Graduate level course designed to introduce students to different ways that people interact with technology with a focus on interfaces. In the course, students learn about various techniques for understanding user needs, interface design and prototyping, and interface evaluation. Graded homework assignments, in-class activity development, administration, and provided supplemental instruction to students.
- SP2017 **Teaching Assistant**, Children in the Health and Media, Graduate level course illustrates to students an overview of the research and policy issues related to health and media with a specific focus on issues that are heavily influencing children and adolescents. Graded homework assignments, in-class activity development, administration, and provided supplemental instruction to students.
- SU2017 **Teaching Assistant & Guest Lecturer**, Organizational Behavior in Health, Graduate level course structured around the concepts of facilitation, change management, and performance improvement within the context of healthcare organizations. Graded homework assignments, in-class activity development, administration, and provided supplemental instruction to students.

COURSEWORK

- WI2018 Social Computing & Crowdsourcing (EECS 497) [Prof. Haoqi Zhang] Project and seminar course that helps reason about the socio and technical aspects of developing a social or crowd computing system.
- WI2018 Innovation Lab: Building Technologies for the Law (EECS 497) [Prof. Kristian Hammond] Focused on ideation, design and prototyping in the innovation process by focusing work in a particular sub-specialty area of law, and working with an academic advisor to research and understand unmet needs in that area.

- FA2017 Affective Computing (EECS 496) [Prof. Jason Wilson] Introduction to the concepts and existing technologies in affective computing and how it can be applied across various domains.
- FA2017 Intermediate Biostatistics (EPI_BIO 402) [Prof. Masha Kocherginsky]
- FA2017 Independent Study (MTS 590) [Prof. Madhu Reddy / Stephen Schueller] Conduct research revolving homeless youth and how they develop and maintain connections in order to foster new and existing communities.
- SU2017 Introduction to Biostatistics (EPI_BIO 302) [Prof. Denise Scholtens] An introduction to basic concepts of statistics as applied to the biomedical and public health sciences.
- SP2017 Qualitative Methods for Understanding Technology Use and Design (MTS 525) [Prof. Anne Marie Piper] Seminar course on qualitative research methods.
- SP2017 Methods in Health and Biomedical Informatics (HBMI) III (HSIP 443) [Prof. Justin Starren] Seminar course to understand the major classes of research methods used in HBMI research, human computer interaction, evaluation, and visualization.
- SP2017 Health Data: Classification and Compliance (REGLAW 945) [Prof. Satyender Goel] Seminar course to understand government regulations in managing US healthcare data, priorities of healthcare systems in enhancing research, big data challenges for medical device and pharma companies, and solving unique healthcare problems through data in start-up world.
- WI2017 Theories and Practices of Human-Computer Interaction (MTS 525) [Prof. Darren Gergle] Seminar course on foundational literature in the field of HCI
- WI2017 Independent study (COMM_ST 499) [Prof. Madhu Reddy] Literature review writing on how trust is comprehended, designed, and affects usage of mobile (health) applications.
- WI2017 Methods in Health and Biomedical Informatics (HBMI) II (HSIP 442) [Prof. Yuan Luo] Seminar course to understand the major classes of research methods used in HBMI research, data, machine learning, and natural language processing.
- FA2016 Introduction to Graduate Research in Media, Technology, and Society (MTS 501) [Prof. Aaron Shaw] A graduate foundation course on academic matters in Media, Technology and Society space.
- FA2016 Methods in Health and Biomedical Informatics (HBMI) I (HSIP 441) [Prof. Nicholas Soulakis] Seminar course to understand the major classes of research methods used in HBMI research.

SERVICE TO THE UNIVERSITY

- 2017 **Conference Submission Reviewer**, InfoSocial 2017, Northwestern University, Evanston, Illinois
- 2017 – 2018 **Outreach Chair**, InfoSocial 2018 Planning Committee, Northwestern University, Evanston, Illinois

PROFESSIONAL AFFILIATIONS

International Communication Association (ICA)
 Association of Computing Machinery (ACM)
 American Medical Informatics Association (AMIA)