MARYAM SEIFELDIN

MS in Information | Data Science & UI/UX professional

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EXPERIENCE

Graduate Student Instructor
University of Michigan

📅 September 2019 - August 2020

- Mentored 40 students per semester to explore psychology literature, design and run a hands-on research project, analyze their datasets, and write up their findings in a technical format
- Developed students' sense of best research and statistical practices so they can become critical, responsible consumers of scientific research in any career
- Created an open source online platform to teach students how to take their raw data from Qualtrics, reshape it, generate data visualization, and analyze statistics in R

Summer Research Intern
Culturally Situated Design Tools

📅 Summer 2019

- Modified interface with JS and Snap to add new functionality for online software that uses indigenous artwork to teach basic concepts of coding to high schoolers
- Contributed to working update to main site for usability improvement

Graduate Research Assistant
University of Rochester

📅 September 2014 - July 2017

- Designed & directed a course of research on the effects of social perception on language processing
- Analyzed data and clearly communicated results for technical writeup and informal public discussion

PROJECTS

Usability Consulting
uLead Network

📅 January - May 2019

- Headed class team in research of public education resource website for business insights and & analysis
- Developed and presented short and long-term strategic direction plan for increased engagement and effectiveness to client

Machine Learning Twitter Analysis
University of Michigan School of Information

📅 September - December 2019

- Collaboratively constructed algorithm to analyze Kaggle database of congressional members' Twitter activity for partisanship
- Identified preliminary patterns in topics that correlate with partisan attitude in tweets
- Presented analytics and suggestions for future directions to peers and local industry leaders

EDUCATION

Master of Science in Information
University of Michigan

📅 May 2020

PhD work in Brain & Cognitive Sciences
University of Rochester

📅 September 2014 - July 2017

B.A., Honors: Linguistics; Biopsychology, Cognition, and Neuroscience
University of Michigan

📅 May 2014

PROGRAMMING

Python, R, HTML, CSS, JS   ●●●●●

SQL, Django, React Native   ●●●●○

MATLAB, LaTeX   ●●●○○

DESIGN DEVELOPMENT

prototyping   storyboarding   agile   graphic design   Adobe creative suite   scrum   mobile app development

RESEARCH & DATA

mechanical turk   experimental design   qualitative research   data visualization   big data   quantitative research   applied machine learning

BUSINESS & CONSULTING

contextual inquiry   usability testing   affinity walls   competitive analysis   media analysis   business analytics