Alia C. Friedman

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA   **May 2021**
BS in Cognitive Science and Human-Computer Interaction; Minor in Computer Science
GPA: 3.86/4.0

WORK EXPERIENCE

Developer and Project Manager   **December 2018 – Present**
Carnegie Mellon University, Mellon College of Science, Pittsburgh, PA
- Optimized exam scheduling by developing and designing a web application to assist Carnegie Mellon faculty in reducing exam date conflicts based on student course enrollment
- Acted as a full-stack developer and usability researcher on project
- Coordinated communication and documentation needs between administration, IT department and faculty

Summer Technology Analyst   **June 2020 – August 2020**
Morgan Stanley, NYC, NY
- Reduced blockers by tracking incoming and outgoing dependencies to better aid Agile squads
- Created internal website to better facilitate communication between developers and management
- Lead multiple stand-up meetings in the role of scrum master

User Experience Research Intern   **May 2019 – August 2019**
Loopla, Pittsburgh, PA
- Utilized user analytics to predict user engagement based on the size of a group resulting in a predictive model of posts per week and verified predictive accuracy
- Created mockups, prototypes, and wireframes to communicate design ideas resulting from user research
- Analyzed data using qualitative research methods including interview coding and affinity diagramming
- Improved user interaction through minimizing visual clutter based upon user interviews

Programmer   **September 2018 – January 2019**
Infant Language and Learning Lab, Dr. Erik Thiessen, Pittsburgh, PA
- Programmed four versions of a psychology experiment in Modern Standard Arabic and English in the Psychology Experiment Building Language (PEBL)
- Refactored code to support right-to-left (RTL) and left-to-right (LTR) writing systems

RESEARCH EXPERIENCE

Undergraduate Research Assistant   **January 2017 – Present**
Infant Language and Learning Lab, Dr. Erik Thiessen, Pittsburgh, PA
- Assisted in designing a psychology experiment to measure gender attitudes across the USA, Qatar, and Saudi Arabia
- Managed data collection, participant scheduling and data analysis for the Pittsburgh location of the project
- Wrote and submitted a proposal for research resulting in a $1,000 grant from Carnegie Mellon University

SKILLS

Programming: Python, C, SML, JavaScript   **Design/Prototyping:** Sketch, InDesign, Figma
Technologies/Tools: Jira, Flask, HTML/CSS,   **Data Analysis:** R, SPSS, Excel, Dedoose
Bootstrap

EXTRACURRICULAR INVOLVEMENT

President of Chabad, Carnegie Mellon University   **November 2019 - November 2020**
- Responsible for 16k budget management, organizing cultural/religious events and planning community meals

Development Executive, Camp Kesem   **September 2018 – June 2019**
- Responsible for raising $60,000 for a summer camp for children whose parents have been affected by cancer