Zaeda Meherin

zm5du@virginia.edu 571-435-3894
zmeherin.github.io

B.A. Computer Science student pursuing M.S. in CS or Commerce (expected spring 2021).
Seeking a product management internship summer 2021 where I can apply my technical, design, and management skills.

EDUCATION

UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE VA **Expected Graduation: May 2021**
B.A. COMPUTER SCIENCE, GPA 3.7

Relevant Coursework: Advanced Software Dev., Program and Data Representation, Algorithms, Programming Lang's for Web Dev., Machine Learning, Applied Linear Algebra, Discrete Mathematics, Software Testing

Awards: Dean's list: Fall 2017, Fall 2018, Spring 2019, Spring 2020 (qualified); Bronze Service Scholar 2018

RELEVANT EXPERIENCE

PROGRAM MANAGER & SOFTWARE DEVELOPER | VA TEXT | http://va-text.herokuapp.com/ Jan 2020 – Present

- Developed the core functionalities of buy-sell textbook platform for UVA students in Django
- Conducted interviews with stakeholders to evaluate user needs, organized a product backlog to prioritize functionalities, and drafted wireframes using Figma, a design tool, to build a fluid interface
- Most recently led our campus-wide expansion plan by successfully attaining **$1,000 in grant funding**, recruiting talent, onboarding the growing the team, and working towards an official CIO for access to resources

PROJECT LEAD – CAVS IN THE CLASSROOM SCHEDULER | UVA CS FOR SOCIAL GOOD Sept 2019 – Dec 2019

- Communicated with CITC's Head Program Director to assess their needs from a volunteer-scheduler program
- Led the engineering team using agile methodology through sprints to maintain efficiency and flexibility on the project
- Built an algorithm in Java to automate scheduling by choosing the best matched-set over ~1,000 permutations in seconds
- Reduced the time it takes to match volunteers by **1.5 hours with a 75% matching rate**

WORK EXPERIENCE

SOFTWARE ENGINEER INTERN | CAPITAL ONE June 2020 – Aug 2020

- Built an AWS pipeline in Python that converts documents from image to text in bulk using lambdas, SQS's, and external APIs, which provides **~$1M in cost avoidance** when used to enrich 6M documents before April 2021
- Updates the documents to be easily searchable on GSU site, yielding a potential **$600k employee productivity gain**

RESEARCH ASSISTANT – RIGGS LAB | UNIVERSITY OF VIRGINIA Jan 2020 – May 2020

- Developed a C# application that manipulates the motion of vibration devices worn on participants' arms and presents a GUI for participants to interact with
- Collected and exported participants' responses from the program for further evaluation

TEACHING ASSISTANT – SOFTWARE DEVELOPMENT METHODS | UNIVERSITY OF VIRGINIA Jan 2019 – May 2020

- Tutored students to simplify challenging homework and reinforce the following concepts: object-oriented programming, unit testing, data structures, inheritance, polymorphism, abstraction, encapsulation, recursion, and time-complexity
- Improved curriculum development by writing relevant exam questions and finalizing homework assignments

SKILLS

- **LANGUAGES AND FRAMEWORKS**: Python, Java, C#, C++, Javascript, Django, React.js, PHP
- **TECHNOLOGIES**: Git, AWS, Jira, HTML, CSS, Figma