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EDUCATION

GEORGE MASON UNIVERSITY

B.S in Computer Science

Fairfax, VA

Expected Graduation: May 2024

- Honors College student
- Relevant Coursework: Operating Systems, Analysis of Algorithms, Data Structures, Databases, Networking, Intro to AI, Object Oriented Programming, Discrete Math, Software Engineering, Visual Computing, Linear Algebra

SKILLS & INTERESTS

- *Advanced:* Python, Java, C, Virtualization, Linux, Unix, Data Structures, Scripting
- *Languages:* English (Fluent), Farsi (Fluent), Spanish (Proficient)
- *Interests:* Fitness, Mentoring, Brazilian Jiu-Jitsu, Tennis, Psychology

WORK EXPERIENCE

GEORGE MASON UNIVERSITY - Computer Science Undergraduate Teaching Assistant

January 2022 – January 2024

- Aiding and providing feedback to over 300 students with Java and object-oriented programming
- Teaching students the fundamentals of software and coding as well as Python up to an advanced level
- Enhancing my ability to teach others and spread knowledge all while furthering my own programming skills

CODING WITH KIDS - Instructor

January 2022 – February 2023

- Teaching Python from a beginner to advanced level to over 20 students
- Privately mentoring a middle schooler until they became advanced with JavaScript and HTML
- Improving my speech and creativity skills by sharing my passion for coding so that they could also be expert programmers

PROGRAMMING PROJECTS

Computer Part List Picker

- Developed a program in Java that took input from the command line to assist a beginner pick computer parts
- Used classes and interfaces in order to create lists and set prices and specs for each computer part, which built my fundamental understanding of Object-Oriented Programming and Polymorphism

Blockchain Storage Structure

- Created a circular blockchain storage system using arrays in java
- Programmed a structure using generics that with priority insertion which built my understanding of Big-0 and the efficiency of different insertion methods
- Used the JUnit Test Framework as a means to pragmatically debug and test my software, this made me think more holistically when I programmed and where I fell in love with debugging

RC Car Race Scrum Project

- Worked in scrum environment with a group of 7 with weekly sprints to design and program an RC Car controlled with a Raspberry Pi to then compete in a race with other groups
- I was apart of the RC Car control team where two other team members and I developed the software to control and communicate with the RC Car
- The controls of the RC Car were first programmed by standard “WASD” input but we found this to be too trivial and didn’t allow for an actuation force for the speed of the car, so after trials and tribulations we were able to program a PS4 Controller instead
- This project really developed my teamwork skills and working in a scrum environment for the first time. It was a unique experience being able to share our ideas together as a team to bring to life something we all worked so hard on

VOLUNTEER EXPERIENCE

THE ABILITY EXPERIENCE - Philanthropy Volunteer

August 2021 - Present

- Philanthropic initiative of Pi Kappa Phi to empower people with disabilities
- Organized events to raise awareness and money towards the foundation
- Participated in activities with people with disabilities to create a more inclusive community

LEADERSHIP EXPERIENCE

PI KAPPA PHI FRATERNITY - Secretary

August 2021 – December 2022

- Organizing meetings and taking notes to assign action items with the aim to resolve and prevent any grievances
- Creating an inclusive environment where brothers could feel supported and be the best versions of themselves
- Mentoring new members pursuing Computer Science degrees to instill success and discipline in their career paths