Rameen H. Aziz

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Objective

Highly adaptable Electrical Engineering student with a solid background in physics and mathematics. Has hands-on experience with electronic circuits and working in teams creating them. Strong leader looking for an internship working in signal processing for Spring 2024.

Education

Georgia Institute of Technology | Atlanta, GA *August 2023 – Present*
Bachelor of Science in Electrical Engineering, GPA 4.00 Expected Graduation, May 2027

Skills

Programming: Python, MATLAB (novice)
Hardware: Arduino, oscilloscope, spectrometer, multiplexer, soldering
Software: SolidWorks, GitHub
Professional Organizations: GT Medical Robotics
Communication: Technical reports, presentations
Languages: English (native), Farsi (intermediate), Spanish (beginner)

Experience

Subway | Buford, GA *May 2019 - August 2023*
Assistant Manager
Franchise business dedicated to serving high quality sandwiches
- Consolidate information to submit payroll of $40,000 bimonthly
- Developed a program to automatically collect and store hundreds of historical documents a month

Projects

Epic Engine *Semester 2023*
Team Member
The project aimed to create a chess engine that would compete against others as part of a hackathon
- Wrote code to assist in the creation of an algorithm that would calculate the move that would maximize the score of the player
- Collaborated with the team member to deliver a working product that would communicate with the UCI protocol present in the testing software.

Relevant Coursework

Circuits and Electronics: Designed and constructed circuits, analyzed transient response of RLC circuits, built simple filters, rectifiers, and amplifiers.
Linear Algebra: Matrices, Eigenvalues and Eigenvectors, linear modeling
Survey of Organic Chemistry: Mechanics of reactions, understanding materials, applications of biochemical reactions, conducting polymers

Activities

Medical Robotics | Member *October 2023 - Present*
- Multiplexing EMG signals using Arduino hardware and circuits to test Python and Arduino code
- Working with Limbo subteam in efforts to create a fully functional prosthetic hand as a year long goal

American Chemical Society | Secretary *August 2022 - May 2023*
- Aided in the planning, budgeting, and execution of various events throughout the semesters
- Worked with a team to plan outreach events in the local area to spread an earnest passion for chemistry

Camp Invention | Leadership Intern *June 2022*
- Served as a leader for elementary to middle school aged children as they learned various concepts in the steam curriculum
- Formed a strong sense of community and comfort among the students