

Elyse N. Haas

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OBJECTIVE

An internship or research opportunity where I can utilize my relevant experience, problem solving skills, and further expand my knowledge in the field of computer science.

EDUCATION

Christopher Newport University, Newport News, VA

Bachelor of Science in Computational and Applied Mathematics, May 2022

Minors in Leadership Studies and Applied Physics GPA: 3.25

Relevant Coursework: Data Manipulation (Python), Programming for Applications (Java), Data and File Structures (Java), Computer Architecture

Virginia Tech, Blacksburg, VA

Master of Engineering in Computer Science and Applications, Fall 2023

SKILLS

Environments: Microsoft Office (Word, Excel, PowerPoint), GitHub

Coding: Python (intermediate), Java/JavaScript (basic), MATLAB (basic), LaTeX (intermediate)

Applications: Math, Physics, Computer Science

EXPERIENCE

M.E Flow, Leesburg, VA: As an Accounting Intern, I maintained customer transaction spreadsheets and database entries.

PROJECTS

Modeling Smoking | Spring 2022 – Mathematical modeling project

- Used MATLAB to model the effect of peer pressure that smoking has on high school students.
- Derived differential equations to represent the different types of students.

Raspberry Pi | Spring 2022 – Computer architecture project

- Coded in Python through the MARS environment to access Raspberry Pi computer.
- Connected Raspberry Pi to extension board to access light and motion sensors.

Java Interface | Spring 2022 – Implemented linked list and cursor-based list data interfaces.

- Created JUNIT test cases for each method in interface.

ACTIVITIES

Community Service: Tutoring students at local public schools, Special Olympics, Relay for Life.

Pi Mu Epsilon: National Math Honors Society (2021-2022).

President's Leadership Program: Scholarship program offered by CNU that requires a certain GPA, completion of Leadership Studies Minor, community service hours, and other curricular activities.