Emma Frampton

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EDUCATION

Honors College, University of Delaware   **Newark, DE**
Bachelor of Science in Computer Science, College of Engineering   December 2024
    Minor: Educational Technology | **Cumulative GPA**: 3.82 | **Awards**: Dean's List: (Fall 2021-Spring 2023) |
    Concentration: High Performance Computing
Coursework: Software Engineering, Algorithms, Data Structures, Operating Systems, Educational Game Development, Parallel Programming, Systems Programming, Object-Oriented Programming, Machine Organization, Database Systems

Awards and Organizations: Grace Hopper 2022 Conference Full Scholarship, Liberty Mutual Hackathon Second Place Overall, General Honors Award, Rewriting the Code, Association for Computing Machinery, Society of Women Engineers

SKILLS

Languages: Python, Java, C, C++, JavaScript, TypeScript, SQL, HTML, CSS, R, React, Bash, MATLAB, ArmV8 Assembly

Technologies and Software: Git, Jira, Gitlab, Apigee, Bamboo, Cloudforge, Google Cloud, Bootstrap, Command Line Tools, VIM, Microsoft 365, G-Suite Applications, Visual Studio Code, Vercel, UNIX, Node,js, Flutter

PROFESSIONAL EXPERIENCE

Liberty Mutual Insurance, Portsmouth, New Hampshire   June 2023 - August 2023
Software Engineering Intern
- Developed an expansive functional delete service epic with improved error messages and unit tests for all internal and external ApigeeX artifacts to alleviate manual service tickets for thousands of users
- Leveraged JavaScript, Bamboo, Cloudforge, and Atlassian tools to test and improve various services
- Gained Agile and Scrum experience through daily standup participation on Secure DevOps API Management team

University of Delaware, **CISC Department**, Newark, Delaware   April 2022 - Present
Hackathon Administrator and Newsletter Manager, Computing Promotions Undergrad Squad
- Spearheaded donor relations, secured $85,000 in contributions for the department through individual meetings
- Orchestrated monthly newsletters showcasing department achievements, upcoming community events, and valuable resources for over 750 Computer Science and Information Sciences students and faculty
- Led tours for prospective College of Engineering students, providing informative guidance, and addressing inquiries

University of Delaware, **CISC Department**, Newark, Delaware   August 2022 - Present
Honors Teaching Assistant
- Hosted weekly labs for CISC108 Honors: Introduction to Computer Science (Python) for Computer Science majors
- Provided weekly office hours, led a 75 minute lab demonstration weekly, and graded activities and projects

Computational Research and Programming Lab, OpenACC V&V, Newark, Delaware   August 2022 - January 2023
Undergraduate Researcher
- Built a OpenACC Programming Model validation and a verification suite with NVIDIA and Oak Ridge Lab
- Rigorously tests for compiler and runtime errors, reports these errors, and re-tests newer compiler versions for fixes

Speech Language Acquisitions & Multilingualism Lab, Newark, Delaware   January 2022 - March 2022
Undergraduate Researcher
- Produce Python (pandas, openpyxl) and Java scripts for data processing and analysis
- Ran multiple language based research trials, recruited participants, and coded eye-tracking video trials in Datavyu

ACTIVITIES

ACM-W, *Vice President*, Newark, Delaware   August 2021 - Present
Morris Library Help Desk Employee, *Part-time job,* Newark, Delaware   August 2022 - Present
University of Delaware Wind Ensemble, *Oboist*, Newark, Delaware   August 2021 - January 2022