Laura Allison Obermaier

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OBJECTIVE

Seeking a position in software development, cybersecurity, or data science for spring/summer 2025.

EDUCATION

Stevens Institute of Technology, Hoboken, NJ January 2024 - December 2025
Master of Science, CyberSecurity
Graduate Certificate, Machine Learning

- Cumulative GPA: 4/4
- Scholarships: Stevens Institute of Technology Graduate Scholarship
- Coursework: Agile Methods for Software Development; Machine Learning (ML); Deep Learning; Advanced Algorithms; and Fundamentals of CyberSecurity

Florida State University, Tallahassee, FL August 2021 - December 2023
Bachelor of Science, Computer Science

- Cumulative GPA: 3.97/4
- Scholarships: Florida State University Freshman Scholarship, Florida Academic Scholars Bright Futures Scholarship
- Achievements: University Honors Program, Dean's List (January 2021 - December 2023), and President's List (August - December 2021 and January 2023 - December 2023).
- Coursework: Object-Oriented Programming; Data Structures; Operating Systems; Software Engineering; Data Science; and Secure, Parallel, and Distributed Systems

SKILLS

- **Programming Languages:** Fourteen including C++, C#, C, Python, Java, JavaScript, MIPS Assembly, HTML, CSS, Bash, Markdown, MySQL, SQLite, and Shell Scripting.
- **Tools & Technologies:** Fourteen including Git, GitHub, Flask, React, Node.js, Nginx, Gunicorn, Linux, Windows, Jupyter Notebook, Anaconda, and Microsoft Azure.
- **Languages:** English (native), German (native), and French (advanced, 6+ years).

EXPERIENCE

Undergraduate Research Opportunity Program, Tallahassee, FL August 2022 - June 2023
Research Assistant

- Executed Agile programming practices, one of which was Pair Programming.
- Conducted cutting-edge research under Dr. Jonathan Adams on three key areas: Stable Diffusion, Prompt Optimization, and the development of a mobile application.
- Co-authored an AACE EdMedia + Innovate Learning 2023 conference research paper on the "Uses of Artificial Intelligence in Higher Education" examining over 723 articles.
- Delivered project findings to over 50 individuals at the Spring 2023 Undergraduate Research Symposium.

ACADEMIC PROJECTS

- **Note-Taking Mobile App (Java)**: Created a note-taking app with 4 customization options.
- **PracticePanther Implementation (C#):** Built employee, client, and project management features with billing, time tracking, and conditional feature hiding.
- **FAT32 File System (C):** Implemented mounting, file operations, and recursive deletion for a FAT32 file system.
- **Hacker News (Python):** Built with Flask, Nginx, and Gunicorn, auto-updating every hour.
- **ProFessUp (JavaScript):** Developed using Node.js and React.
- **Combined Model ML (Python):** Applied key machine learning ideas in Jupyter Notebook.