Laura Allison Obermaier

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SUMMARY

Full-stack developer and MS student with ML/NLP, AppDev, OS projects, and published research.

EDUCATION

Stevens Institute of Technology, Hoboken, NJ — January 2024 - December 2025

Master of Science, Software Engineering

Graduate Certificate, Machine Learning, Cyber Security

- Cumulative GPA: 3.9/4
- Scholarships: Stevens Institute of Technology Graduate Scholarship
- Coursework: Agile Methods; Deep Learning; Natural Language Processing; Advanced Algos; & Cryptography

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, FAS Bright Futures
- Achievements: University Honors Program, 7x Dean's List, and 4x President's List
- Coursework: OOP, Data Structures, OS, Software Eng., Data Science, Secure/Parallel/Distributed Systems

EXPERIENCE

NutriverseAI, Remote, US — May 2025 - September 2025

Full-Stack Developer

Course Assistant, Hoboken, NJ — January 2025 - May 2025

Teaching Assistant under Dr. Reza Peyrovian

- Responded to student inquiries, conducted office hours, and evaluated assignments.
- Delivered timely feedback with detailed comments and responded to emails within 24 hours.
- Managed grading for 52 students weekly, ensuring accuracy, fairness, and adherence to deadlines.
- Balanced multiple responsibilities (5-20 hours per week with full-time study), excelling in all.

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

Research Assistant under Dr. Jonathan Adams

- Worked with Stable Diffusion, prompt optimization, and developed a binaural beats mobile application
- Co-authored a research paper on AI in higher education, published to AACE EdMedia+ Innovate Learning 2023.
- Presented at the Spring 2023 Undergraduate Research Symposium.

SKILLS

- **Programming Languages:** C++, C#, C, Python, Java, JavaScript, MIPS Assembly, HTML, CSS, Bash, Markdown, LaTeX, MySQL, JSON, SQLite, and Shell Scripting.
- **Tools & Technologies:** Git, Docker, Auth0, Flask, React, Node.js, Nginx, Gunicorn, Jupyter Notebook, Anaconda, Linode, Visual Paradigm, Microsoft Azure, and Hugging Face Transformers.
- **Languages:** English (native), German (native), and French (advanced, 6＋ years).

ACADEMIC PROJECTS

- **NutritionAnalyzer (Jupyter Notebook):** Biomedical NLP pipeline for dietary analysis.
- **Combined Model ML (Python):** Applied key machine learning ideas in Jupyter Notebook.
- **ProFessUp (JavaScript):** Developed using Node.js and React.
- **Hacker News (Python):** Built with Flask, Nginx, and Gunicorn, auto-updating every hour.
- **FAT32 File System (C):** Implemented mounting, file operations, and recursive deletion.
- **Elevator Kernel Module (C):** Kernel-level elevator scheduling with weight constraints.
- **Shell (C):** Simulated shell with internal and external command execution.
- **PracticePanther Implementation (C#):** Utilized .NET MAUI for law practice management.
- **Note-Taking Mobile App (Java)**: Created a note-taking app with 4 customization options.