

Laura Allison Obermaier

Hoboken, NJ 07030 Portfolio: <https://lauraobermaier.info/>
Cell: (954) 348-8139 Email: lauraaobermaier@gmail.com
GitHub: [LauraAllObe](#) LinkedIn: [laura-obermaier-977472226](#)

EDUCATION

Stevens Institute of Technology, Hoboken, NJ January 2024 - May 2026

Master of Science, CyberSecurity

Graduate Certificate, Machine Learning

- Cumulative GPA: 4/4

Florida State University, Tallahassee, FL

August 2021 - December 2023

Bachelor of Science, Computer Science

- Cumulative GPA: 3.97/4
- Achievements: University Honors Program, Dean's List (January 2021 - December 2023), and President's List (August - December 2021 and January 2023 - December 2023).

PROFESSIONAL EXPERIENCE

Undergraduate Research Opportunity Program, Tallahassee, FL

August 2022 - June 2023

Research Assistant

- Logged over 120 hours across two 16-credit-hour semesters.
- 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.

TECHNOLOGICAL EXPERIENCE

- **Programming Languages:** Fourteen including C++, C#, C, Python, Java, JavaScript, MIPS Assembly, HTML, CSS, Bash, Markdown, MySQL, SQLite, and Shell Scripting.
- **Tools & Frameworks:**
 - **Development & Deployment:** Twelve including Git, GitHub, GitLab, Vim, Flask, React, Node.js, npm, Nginx, Unicorn, Linux, and Windows.
 - **Programming & Analysis Tools:** Three including Jupyter Notebook, Anaconda, .NET MAUI.
 - **Cloud & Virtualization:** Three including Microsoft Azure, Linode, and VirtualBox.
- **Languages:** English (native), German (native), and French (advanced, 6+ years).

PROJECTS

- **Note-Taking Mobile Application (Java):** Implemented note-taking and 4-feature note customization on Android devices.
- **PracticePanther Implementation (C#):** Established employee, client, and project management; project and client billing; two time-tracking mechanisms; chained object deletion; and conditional feature hiding.
- **FAT32 File System (C):** Implemented mounting the fat32 image; navigation; file and directory creation; file operations such as write; file and directory deletion; and recursive deletion.
- **Hacker News Web Application (Python):** Leveraged Flask, Nginx, and Unicorn with automatic database updates every 60 minutes.
- **ProFessUp (JavaScript):** Utilized Node.js and React.