

Ada Lovelace

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EDUCATION

University of North Carolina at Chapel Hill

May 2026

B.S. Computer Science, Minors in Data Science and Studio Art / GPA: 3.6/4.0

Chapel Hill, NC

- **Courses:** Files and Databases, Modern Web Development, Mobile Operating Systems, Computer Organization, Data Structures, Algorithms & Analysis, Foundations of Programming
- **Honors:** Dean's List, Honors Carolina

TECHNICAL SKILLS

Languages (ordered by proficiency): Java, Python (Pandas, Matplotlib, Plotly, pytest), JavaScript, C, Swift, TypeScript

Tools and Frameworks: Node.js, React.js, AngularJS, Docker, PyTorch, Git

RELEVANT EXPERIENCE

UNC-Chapel Hill Department of Computer Science

Aug. 2024 - Present

Undergraduate Teaching Assistant - Grading Lead

Chapel Hill, NC

- Mentored **over 600** students enrolled in Introduction to Programming, explaining challenging concepts and fundamental programming knowledge to **both** Computer Science and non-technical majors
- Graded up to 6 exams a semester and developed **Python scripts** to organize large-scale grading efforts, while simultaneously hosting 10+ hours of office hours a week for students

Fidelity

May 2024 - Aug. 2024

Software Engineering Intern

Durham, NC

- Developed web application using **Node.js** and **Python** frameworks for improving customer transaction efficiency by up to 10 seconds through optimized backend processes
- Collaborated with **one other intern** in an **Agile** environment to develop scalable backend features and improved **API** and **SQL** response time

PROJECTS

MusicBoxd | HackNC

Oct. 2024

- Partnered with a team of 3 and developed a fully functional **iOS App** with a dynamic **Swift** interface, real-time database retrieval using **Firebase**, and **Genius' API** for song and artist retrieval
- Awarded the Hack for Connectivity by **Pendo** and third place overall for the whole hackathon

Discover the New World | Personal Project

May 2023

- Created a mini-game in **C#** for Xbox with immersive music and sound effects, and designed the user interface using **Figma**
- Generated a random map based on a 2D array with multiple pages for the user to traverse on their west

LEADERSHIP EXPERIENCE

CATCH Project Manager

Jan 2024 - Present

UNC CS for Social Good

Chapel Hill, NC

- Lead weekly meetings for CATCH, maintain project goals, and develop timelines for stages and deployment
- Contribute to backend development on a web-based application for a local non-profit, emphasizing database efficiency and optimized API calls to improve user experience and reduce wait time