

Lauren Phan

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EDUCATION

Northeastern University, Boston, MA

Candidate for Bachelor of Science in Computer Science and Biology

GPA: 3.94

Honors: University Honors Program, Dean's List (Fall 2021-Spring 2024)

Relevant Coursework: Object Oriented Design, Database Design, Algorithms and Data, Bioinformatics

September 2021 – Present

Expected December 2025

TECHNICAL KNOWLEDGE

Languages: Java, Python, SQL, R, TypeScript, HTML/CSS

Libraries: Matplotlib, Pandas, Junit, Jackson, Material UI, Axios, Bootstrap

PROJECTS

The Community Notepad – TypeScript, React.js

December 2023

- Developed a website for users to send messages and communicate in real-time using Socket.io
- Leveraged SQLite for data persistence and deployed the application on Heroku to ensure reliable scalability

Wellness Journal – Python, SQL

May 2023

- Constructed multi-user CLI program to track and display physical and mental health information
- Stored user input in an 8-table relational database connected to a 500-line Python script using PyMySQL

BattleSalvo – Java

May 2023

- Engineered a CLI imitation of Battleship allowing users play against a custom, computer generated opponent
- Utilized Jackson library, MVC components, and proxy design pattern to simulate a game with a remote server

WORK EXPERIENCE

ASRC Federal – Reston, VA

June 2024 – August 2024

Software Intern

- Developed a full-stack Python application simulating a bakery operated by several independent Llama 3 agents
- Tested the effectiveness of a multi-agent approach for machine learning applications in satellite monitoring

Code4Community – Boston, MA

January 2024 – June 2024

Software Developer

- Collaborated with peers to develop a React.js website facilitating the adoption of green infrastructure sites
- Completed weekly full-stack tickets ranging from improving frontend design to modifying endpoints

United Electronic Industries Ametek – Norwood, MA

January 2024 – June 2024

Database Software Engineer Co-op

- Automated business processes with 1000+ lines of TypeScript, enhancing workflow efficiency by over 200%
- Spearheaded all NetSuite projects from inception to deployment through independently interviewing employees to assess project priorities, drafting proposals, designing database schemas, and developing code

LEADERSHIP

Circle K Northeastern – Boston, MA

April 2024 – Present

Vice President

- Represent the university chapter of an international organization by coordinating with service partners in the Greater Boston Area to execute over 10 monthly volunteering events for 30+ general members
- Lead an executive team of 9 members by creating semesterly agendas and organizing weekly club meetings

Northeastern University College of Science – Boston, MA

January 2023 – Present

Teaching Assistant for Genetics and Molecular Biology Computational Lab

- Demonstrate computational research tools such as NCBI and UCSC Genome Browser to over 100 students
- Serve as an independent instructor by grading 1000+ cumulative lab reports and generating answer keys

INTERESTS

Crochet, Volleyball, Reading, Game of Thrones, Video Games, Veganism, NYT Games