Lauren Phan

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EDUCATION

Northeastern University – College of Science   **Boston, MA**
Candidate for Bachelor of Science in Computer Science and Biology   December 2025
- **GPA:** 3.91/4.00
- **Honors:** University Honors Program, Dean's List (All Semesters)

TECHNICAL KNOWLEDGE

Languages: Java, Python, SQL, R, TypeScript, HTML/CSS, Go, Shell/Bash
Libraries: React, NodeJS, Axios, Bootstrap, Matplotlib, Pandas, NumPy, Junit, Jackson, Material UI
Technologies: Git, Snowflake, Power BI, AWS (S3, Lambda), DBT, Jira, Azure

PROJECTS

CodeScout – *TypeScript, React.js, MongoDB, Socket.io, Jira*   **January 2025**
- Engineered a Stack Overflow clone with Q&A, gamified profiles, real-time messaging, and comment moderation
- Contributed over 10,000 lines of code and led agile sprint planning using Jira in a 4-person team

Wellness Journal – *Python, SQL (PyMySQL)*   **May 2023**
- Developed a multi-user CLI program to track physical and mental health metrics over time
- Connected an 8-table relational database to a 500-line Python interface for seamless data entry and reporting

BattleSalvo – *Java*   **May 2023**
- Engineered a CLI imitation of Battleship allowing users to play against a custom, computer generated opponent
- Utilized Jackon library, MVC components, and proxy design pattern to simulate a game with a remote server

EXPERIENCE

Bain Capital   **Boston, MA**
Applications Developer Co-op   January 2025 – June 2025
- Contributed to the Data Platform and Data Governance teams with 55+ pull requests and 35+ completed items
- Migrated 25 queries from SQL Server to Snowflake, reducing runtime by 400% through logic simplification
- Built a 10-page Power BI dashboard leveraging Python, Snowflake, and S3 to proactively detect data quality issues

Generate Northeastern   **Boston, MA**
Software Developer   September 2024 – May 2025
- Collaborated with 10+ developers and designers via weekly standups, code walkthroughs, and pair programming
- Delivered 30+ tickets spanning frontend implementation, backend endpoints, and middleware development
- Built two full-stack applications (React and MongoDB) using services including Google Maps, Stripe, and Supabase

United Electronic Industries Ametek   **Norwood, MA**
Database Software Engineer Co-op   January 2024 – June 2024
- Automated internal workflows with 2,000+ lines of TypeScript, boosting operational efficiency by over 200%
- Spearheaded two NetSuite projects end-to-end by gathering requirements, designing schemas, and implementing features

LEADERSHIP

Circle K Northeastern   **Boston, MA**
Vice President   April 2024 – March 2025
- Coordinated 100+ annual volunteer events for 30+ active members in partnership with local nonprofit organizations
- Awarded New England Distinguished VP for outstanding service, leading a 9-person team and creating monthly calendars

Northeastern University College of Science   **Boston, MA**
Teaching Assistant for Genetics and Molecular Biology Computational Lab   January 2023 – December 2024
- Instructed 150+ students in the use of NCBI, UCSC Genome Browser, and other bioinformatics tools
- Independently graded 1,200+ lab reports, held 40+ office hours, and authored 10+ answer keys

INTERESTS

Crotchet, Painting, Reading, Volleyball, Running, Veganism, NYT Games