

Lauren Phan

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EDUCATION

Northeastern University – College of Science

Boston, MA

Candidate for Bachelor of Science in Computer Science and Biology

May 2025

- **GPA:** 3.96/4.00
- **Honors:** University Honors Program, Dean's List (Fall 2021-Spring 2023), Stamps Scholar (One of five recipients of four-year merit award based on the acts of leadership, academics, and service)
- **Relevant Coursework:** Programming with Data, Fundamentals of Computer Science I-II, Object-Oriented Design (IP), Database Design (IP), Organic Chemistry I-II, Genetics and Molecular Biology, Biochemistry

LEADERSHIP

Circle K Northeastern

Boston, MA

Vice President of Outreach

April 2023– Present

- Create compelling content while managing all social media outlets to efficiently drive club engagement
- Collaborate with executive board to plan community service events that positively impact the local community

Multi-diverse Unified Leaders in the Technology Industry

Boston, MA

Public Relations and Marketing Chair

January 2023 – Present

- Run social media platforms and send weekly newsletters to effectively communicate with 40 general members
- Develop marketing strategies to advertise mission of promoting diversity and inclusion in the technology field

EXPERIENCE

Dong Theoretical and Computational Biology Lab

Boston, MA

Undergraduate Research Volunteer

March 2023 – Present

- Develop MolExtract, a rule-based Python parser that extracts data from Molcas quantum chemistry log files
- Expand the project to support other computational chemistry software and increase package modularity

Northeastern University College of Science

Boston, MA

Teaching Assistant for Genetics and Molecular Biology Computational Lab

January 2023 – Present

- Assist students in learning how to utilize NCBI databases, BLAST, and UCSC Genome Browser
- Facilitate over 50 students through grading lab reports, holding weekly office hours, and generating answer keys

Carabetta Lab at Cooper Medical School

Camden, NJ

Undergraduate Research Volunteer

May 2022 – August 2022

- Worked under Dr. Valerie Carabetta to understand the consequences of protein acetylation in *Bacillus subtilis* and characterize the bacterium *Acinetobacter baumannii*, with the larger goal of combatting antimicrobial resistance
- Assisted graduate students with experiments such as gel electrophoresis, MIC assays, and purifying DNA
- Maintained lab inventory by preparing media, pouring plates, and autoclaving necessary glassware

SKILLS & INTERESTS

Technical: Java, Python, R, SQL, HTML/CSS, Git, BLAST, UCSC Genome Browser, NCBI Gene Database

Laboratory: Patch plating, Agar Plating, ^1H NMR, Rotary Evaporation, Purifications, Crystallizations, Distillations, MS and IR Analysis, pH Meter, *in silico* PCR, Micro Pipetting, TLC and Melting Point Analysis, Vacuum Filtration, Aseptic Technique, Reflux Condensation, Column Chromatography

Interests: Crochet, Reading, Volleyball, Community Service, Baking, Marvel