

# Lauren Phan

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Available January-June 2024 | [Website](#)

## EDUCATION

**Northeastern University**, Boston, MA

*Candidate for Bachelor of Science in Computer Science and Biology*

**GPA:** 3.95

**September 2021 – Present**

Expected December 2025

**Honors:** University Honors Program, Dean's List (Fall 2021-Summer 2023), Stamps Scholar (One of five Northeastern recipients of full merit award based on the acts of scholarship, leadership, and community)

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

## TECHNICAL KNOWLEDGE

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

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

## PROJECTS

**Doc Processor** – TypeScript

**July 2023**

- Designed website for Northeastern faculty to create templated assignments with version control, send approval requests to authorized emails, and export templates to PDF to expedite assessment processing by over 150%
- Implemented 800+ lines to display courses using API calls retrieving web scraped data of over 280 courses
- Participated in daily standup as a part of a two week, Agile team of 10 students, using Git for version control

**Task Calendar** – Java

**June 2023**

- Designed weekly calendar for users to track events and export information in a custom, JSON-based .bujo file
- Created JavaFX components to develop a user-friendly UI with both built-in and customizable themes

**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

## LEADERSHIP AND EXPERIENCE

**Circle K Northeastern** – Boston, MA

**April 2023 – Present**

*Vice President of Outreach*

- Increased social media engagement by 160% within one month by rebranding the club with engaging content
- Collaborated with executive team to plan 3 weekly service events across 14 partners across Greater Boston

**Dong Theoretical and Computational Biology La** – Boston, MA

**March 2023 – Present**

*Undergraduate Research Volunteer*

- Expanded MolExtract, a rule-based Python parser that utilizes regular expressions to automate data extraction from Molcas log files, to support additional computational software and expedite calculations by twofold

**Northeastern University College of Science** – Boston, MA

**January 2023 – Present**

*Teaching Assistant for Genetics and Molecular Biology Computational Lab*

- Facilitated 3 sections of over 60 cumulative students in learning how to perform homolog searches, *in silico* PCR, and multiple sequence alignments utilizing research tools such as NCBI and UCSC Genome Browser
- Served as an independent instructor by grading 200 semesterly lab reports and generating answer keys

**Multi-diverse Unified Leaders in the Technology Industry** – Boston, MA

**January 2023 – Present**

*Public Relations and Marketing Chair*

- Ran social media platforms and send weekly newsletters to effectively communicate with 40+ general members
- Brainstormed marketing strategies to advertise the promotion of diversity and inclusion in the technology field

## INTERESTS

Crochet, Reading, Volleyball, Game of Thrones, Community Service, Baking, Video Games, Marvel