

Lauren Phan

Boston, MA | (856) 994-8804 | phan.la@northeastern.edu
Available January-June 2024 | <https://lphan48.github.io/PersonalSite/>

EDUCATION

Northeastern University, Khoury College of Computer Sciences – Boston, MA **September 2021 – Present**
Candidate for Bachelor of Science in Computer Science and Biology
GPA: 3.95

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 (IP), Bioinformatics (IP)

TECHNICAL KNOWLEDGE

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

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

PROJECTS

Doc Processor – TypeScript **July 2023**

- Developed 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 utilizing 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 daily physical and mental health information
- Stored user input in an 8 table relational database connected to 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

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

Dong Theoretical and Computational Biology Lab – Boston, MA **March 2023 – Present**
Undergraduate Research Volunteer

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

Northeastern University College of Science – Boston, MA **January 2023 – Present**
Teaching Assistant for Genetics and Molecular Biology Computational Lab

- Facilitate 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
- Serve 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

- Run social media platforms and send weekly newsletters to effectively communicate with 40+ general members
- Brainstorm 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, Coffee