STEVE LIU

617-987-5436 **-** BOSTON, MA

liu.steve@northeastern.edu **-** linkedin.com/in/steveliu2/ **-** github.com/steveliu22 **-** steveliu22.github.io/Steve-Liu/

EDUCATION

Northeastern University, Khoury College of Computer Sciences - Boston, MA   **Sept. 2020 – May 2024**

Candidate for Bachelor of Science in Computer Science, Minor in Mathematics

- **GPA**: 3.78 / 4.00
- **Honors:** Dean's List (all semesters)
- **Relevant Coursework:** Algorithms and Data, Object Oriented Design, Database Design, Computer Systems, Fundamentals of Computer Science 1 & 2, Logic and Computation, Linear Algebra, Discrete Structures

RELEVANT EXPERIENCE

MFS Investment Management - Boston, MA   **Jan. 2022 – June 2022**

QA Automation Co-op

Khoury College of Computer Sciences - Boston, MA   **Sept. 2021 – Dec. 2021**

CS2500 Teaching Assistant

- Hosted weekly labs and office hours open to over 800 introductory computer science students to teach fundamental concepts such as recursion, data structures, and patterns for designing programs
- Worked and maintained constant communication with a team of over 100 other course assistants
- Assisted course instructors by grading students' exams, projects, and assignments

PROJECTS

Video Platform Database Editor with UI   **Nov. 2021 – Dec. 2021**

Database Design

- Video platform database editor created with SQL and Java utilizing the JDBC API and Spring Boot to process and host server-side user queries and transactions to the database
- Fully supports CRUD operations to the database through the dynamically rendered front-end UI built using HTML/CSS, JavaScript, and the React.js library

Image Editing Application   **June. 2021 – July. 2021**

Object Oriented Design

- GUI based image editor in Java using the standard Swing library with functionality to sharpen, blur, and apply filters such as grayscale and sepia to imported and procedurally generated images
- Applies model-view-controller, command, and decorator patterns to maintain a flexible code base, enabling scalability for any potential new features

Portfolio Website   **Feb. 2022**

Personal

- Custom portfolio website rendered and built using HTML, CSS, and utilizes JavaScript for text, button, image, and navigation bar animations
- Makes use of CSS Flexbox to enable full responsiveness to all native screen resolutions

TECHNICAL SKILLS

Languages: Java, JavaScript, Python, HTML/CSS, C, SQL, Racket, Bash, x86 Assembly

Software: IntelliJ IDEA, Eclipse IDE, VS Code, PyCharm, Postman, Git, Bitbucket, Jenkins, MySQL, Jira, Emacs

Libraries/Frameworks: React.js, MongoDB, Node.js, Spring, Selenium, Java Swing, JUnit, TestNG

OS: Windows, Linux