

# STEVE LIU

617-987-5436 - BOSTON, MA

[liu.steve@northeastern.edu](mailto:liu.steve@northeastern.edu) - [linkedin.com/in/steveliu2/](https://www.linkedin.com/in/steveliu2/) - [github.com/steveliu22](https://github.com/steveliu22) - [steveliu22.github.io/Steve-Liu/](https://steveliu22.github.io/Steve-Liu/)

## EDUCATION

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**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

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**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

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**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

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**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