

STEVE LIU

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EDUCATION

Northeastern University

Sep 2020 – May 2024

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

Boston, MA

- **GPA:** 3.79 / 4.00
- **Honors:** Dean's List (all semesters)
- **Relevant Coursework:** Fundamentals of Software Engineering, Algorithms and Data Structures, Web Development, Object Oriented Design, Database Design, Computer Systems, Programming in C++, Probability and Statistics

EXPERIENCE

Incoming Software Development Engineer Intern

Jun 2023 – Sep 2023

Amazon

Bellevue, WA

Incoming Software Engineer Co-op

Jan 2023 – Jun 2023

Fidelity Investments

Boston, MA

QA Automation Co-op | Java, Python, SQL, YAML

Jan 2022 – Jul 2022

MFS Investment Management

Boston, MA

- Automated smoke and regression testing for the release of a new investment portfolio management software by developing Python scripts in TestComplete to reduce average testing time by 84%
- Programmed a tracking system to validate over 100 frontend and backend components to ensure consistency across software deployment platforms by mapping JSON data pulled from uDeploy, SonarQube, NexusIQ, and Jenkins
- Worked in an Agile environment by attending scrum meetings, creating and tracking issues through user stories on JIRA, participating in code reviews, and documenting code changes on Confluence
- Deployed over 20 new features and optimizations to existing automation libraries through a Jenkins CI/CD pipeline

Lead Teaching Assistant CS2500 | Racket

Sep 2022 – Dec 2022

Northeastern University

Boston, MA

- Moved to a Lead TA role with additional responsibilities to manage course logistics and instruct 35+ students in lab

Teaching Assistant CS2500 | Racket

Sep 2021 – Dec 2021

Northeastern University

Boston, MA

- Hosted office hours open to over 800 introductory computer science students to teach fundamental concepts such as recursion, algorithms and data structures, and patterns for designing programs
- Assisted lead TAs in weekly labs and graded/provided feedback for students' exams, projects, and assignments

PROJECTS

Video Sharing Platform | Java, SQL, JavaScript, React.js, HTML5/CSS

Nov 2021 – Dec 2021

- Built a Spring RESTful web service for a mock video sharing platform using the JDBC and Java Persistence APIs to communicate with a backend MySQL database and rendered using React.js
- Programmed a front-end UI using the React.js library to allow users to create, modify, and/or delete their own channels, videos, and comments

Image Processor | Java, JUnit, Swing

Jun 2021 – Jul 2021

- Developed a GUI based image processor 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 design patterns such as model-view-controller, command, and decorator to maintain a flexible and efficient code base, enabling scalability for any potential new features

TECHNICAL SKILLS

Languages: Java, Python, TypeScript/JavaScript, HTML5/CSS, C, C++, SQL, Racket, Bash

Software: Linux, JetBrains IDEs, VS Code, Postman, Git, TestComplete, Jenkins, MySQL, JIRA

Libraries/Frameworks: React.js, Jest, jQuery, Bootstrap, Node.js, Spring Boot, JUnit