STEVE LIU

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Availability: July 2022 – Sept. 2022

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CURRENT EDUCATION:

Northeastern University | Boston, MA *Sept. 2020 - Present*

Khoury College of Computer Sciences

Candidate for Bachelor of Science in Computer Science *Expected: May 2024*

Minor in Mathematics

GPA: 3.78 / 4.0

Honors: Dean's List

Related Coursework: Algorithms and Data, Object Oriented Design, Database Design, Computer Systems, Fundamentals of Computer Science 1 & 2, Logic and Computation, Linear Algebra, and Discrete Structures.

LANGUAGES:
Java, JavaScript, Python, HTML, CSS, C, SQL

OPERATING SYSTEMS:
Windows 7/10, Ubuntu Linux

SOFTWARE:
IntelliJ IDEA, Postman, VS Code, Git, BitBucket, Jenkins

LIBRARIES/FRAMEWORKS:
React.JS, Selenium Webdriver

PROJECTS:

Image Editor: *June 2021 – July 2021*

- Built 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 pattern to maintain a flexible code base, enabling scalability for potential new features.

Maze Game: *May 2021*

- Created randomly generated maze game in Java using Kruskal's minimum spanning tree algorithm.

- Allows users to manually traverse the maze or compute the correct path with depth-first and breadth-first search.

WORK EXPERIENCE:

MFS Investment Management | QA Automation Co-op | Boston, MA *Jan. 2021 – July 2021*

- Used Jenkins, Selenium, and Java's Apache POI library to write automation for a weekly summaries report of application security vulnerabilities with data pulled from REST API calls.

- Attended weekly software security meetings and gained exposure to the process of DevSecOps as well as a high-level overview of design and testing protocols to minimize code vulnerabilities.

- Revised and debugged existing automation that was failing to archive old JIRA releases on Confluence

Khoury College of Computer Sciences | Teaching Assistant | Boston, MA *Sept. 2021 – Dec. 2021*

- Hosted weekly labs and office hours open to over 800 introductory computer science students to teach fundamental concepts such data structures and patterns for designing programs.

- Assisted course instructors by grading students' exams, projects, and assignments.

- Worked and maintained constant communication with a team of over 100 other course assistants.

INTERESTS:

Chess, Fitness, and Cooking