

STEVE LIU

617-987-5436 | Boston, MA | liu.steve@northeastern.edu | GitHub: <https://github.com/steveliu22> |

Availability: January 2022 – July 2022

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: 3.7 / 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.

Melrose High School | Melrose, MA

Sept. 2016 – Aug. 2020

Honors: Honor Roll, National Honors Society (NHS)

Activities: Tutoring for NHS, STEM Club, Chess Club

LANGUAGES:

Java, Python, C, SQL, CSS, ACL2, Racket, x86-64 Assembly

OPERATING SYSTEMS:

Windows 7/10, Ubuntu Linux

SOFTWARE:

IntelliJ IDEA, Eclipse, Microsoft Office, Git, PyCharm

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
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WORK/VOLUNTEER EXPERIENCE:

Khoury College of Computer Sciences | Teaching Assistant | CCIS | Boston, MA

Sept. 2021 – Present

- 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 maintain constant communication with a team of over 100 other course assistants.

Melrose Education Stations Program | Mentor | Melrose Public Schools | Melrose, MA

Oct. 2019 – March 2020

- Worked with school staff members to organize after-school programs for over 100 elementary school students.
- Tutored students with math and English homework as well as class concepts that they struggled to understand.

NHS Tutoring | Tutor | Melrose Public Schools | Melrose, MA

Sept. 2018 - March 2020

- Math tutor for high school students in topics such as Algebra 1, Pre-Calculus, and Calculus AB
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INTERESTS:

Chess, Fitness, and Cooking