

# Kody Yuen

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## Education

### Northeastern University, Boston, MA

Khoury College of Computer Sciences

Candidate for B.S. in Computer Science

Cumulative GPA: 3.54 / 4.00

September 2019 - Present

Expected May 2024

Relevant Coursework: Object-Oriented Design, Algorithms and Data, Discrete Structures, Database Design

## Skills

Programming Languages: Proficient in Java and SQL, knowledgeable in Python, C++, Racket, HTML + CSS

Software and IDEs: Eclipse, IntelliJ, VSCode, MySQL, Jupyter Notebook

## Projects

### *Photoshop Recreation*

June 2021

- Programmed a photo editing program in Java that allows users to edit photos, apply filters and transformations to photos, downscale photos, and load and save images into the program from their device in different formats
- Designed a GUI using the Swing framework

### *Analyzing the effects of COVID-19 on Transportation*

June 2021

- Imported thousands of lines of data from multiple datasets, cleaning and prepping them for our database
- Designed a database in MySQL that would allow for analysis between COVID and transportation classifications, such as city, type, and authority (MTA, MBTA, etc.)
- Queried our database and analyzed the trends between COVID and transportation numbers across major cities and visualized these trends using Tableau

### *Visualizing Solving a Maze*

April 2021

- Created a self-solving maze in Java where the walls are randomly generated
- Generated options for the user to choose breadth-first search, depth-first search, or take manual control to find the solution for the maze

### *Discord Bot*

December 2020

- Built a Discord bot that is coded in Python 3 that uses the discord.py API wrapper
- Utilized REST APIs to retrieve data from various sources
- Set up commands including a currency converter between crypto and fiat and displaying current stock price, current news, and a short summary of the ticker inputted

## Work Experience

### *Teaching Assistant for Discrete Structures*

Boston, MA

Khoury College of Computer Sciences

September 2021 – Present

- Hold weekly office hours to help students on assignments on topics such as logic, counting, probability, and other discrete math topics
- Provide faculty assistance in grading assignments and tests

### *Office Assistant in Stetson West*

Boston, MA

Northeastern University Student Employment

January 2020 – April 2020

- Assisted residents with their concerns regarding residence life
- Completed tasks given by the resident coordinator to maintain the building effectively and efficiently, collaborating with other assistants

## Interests

I love solving puzzles, playing video games, and watching sports (especially basketball).