Kody Yuen

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Education
Northeastern University, Boston, MA

Khoury College of Computer Sciences   September 2019 - Present
Candidate for B.S. in Computer Science   Expected December 2023
Cumulative GPA: 3.6 / 4.0
Relevant Coursework: Object-Oriented Design, Algorithms and Data, Discrete Structures, Database Design

Skills
Languages: Proficient in Java and SQL, knowledgeable in Python, HTML + CSS, learning React.js, Bootstrap
Software and IDEs: Eclipse, IntelliJ, VSCode, MySQL, Jupyter Notebook, Git, Linux

Work Experience
DevOps Engineer Co-op   Waltham, MA
Commonwealth Financial Network   January 2022 – August 2022
• Created and maintained CI/CD pipelines in Azure DevOps and TFS 2018 to automatically build and deploy code to multiple environments
• Managed the company's Github, handling the creation and access of all repos, teams, and members

Teaching Assistant for Discrete Structures   Boston, MA
Khoury College of Computer Sciences   September 2021 – December 2021
• 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

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 with OOP principles
• 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

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