Harrison Wong

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redacted
https://github.com/harrisonjwong

EDUCATION

Northeastern University, Boston, MA   May 2021
Bachelor of Science in Computer Engineering and Computer Science
GPA: 3.98 / 4.00
Coursework: Embedded Design, Object-Oriented Design, Algorithms and Data, Logic and Computation,
Fundamentals of Computer Science 2, Circuits and Signals, Fundamentals of Networks
Honors: Dean's List

Newton South High School, Newton, MA   Jun 2017
GPA: 3.67 / 4.00

PROJECTS

Green Line Predictions iOS App   Aug 2018 – Present
- Developing an iOS app to give accurate information on Green Line train predictions
- Creating an optimized user interface specifically for the unique properties of the Green Line
- Designing a model that polls an API and processes the output into data structures

Maze Generator and Solver   Nov – Dec 2018
- Created an interactive Java application to generate and solve random mazes
- Implemented recursive algorithms to create mazes and find solution paths
- Allowed users to either show an animated solution path or use their keyboard to solve the maze

Robotic Arm   Sep – Dec 2018
- Utilized a ZedBoard to combine hardware and software components to move a robotic arm wirelessly
- Created Simulink circuits to produce pulse-width modulation signals that control a robotic arm
- Designed C++ code to connect to a Wiimote with Bluetooth and record button presses and location data

SKILLS

Programming	Java, Swift, C++, MATLAB, Python
IDEs	Xcode, IntelliJ, Eclipse, NetBeans
Operating Systems	macOS, Windows, Linux
Computer Skills	Git, command line, Vim, LaTeX, Markdown, code debugging, Excel, Powerpoint
Hardware	PC building and debugging, Arduino, Raspberry Pi, digital multimeter

EXPERIENCE

Teaching Assistant, Northeastern University, Boston, MA   Jan 2019 – Present
Course: Fundamentals of Computer Science 2
- Hold office hours to help students with coding assignments
- Assist professors with grading coding assignments and exams
- Help run labs to give students hands on experience with programming concepts

Supervisor & Cashier, Roche Bros, Needham, MA   Apr 2015 – Present
- Oversee front end associates and solve customers' problems
- Process transactions and bag groceries for customers

Note Taker, Northeastern University, Boston, MA   Jan – Apr 2018
- Provided lecture notes for a student with a disability accommodation