

Harrison Wong

wong.ha@husky.neu.edu · (617) 383-1136

715 Saw Mill Brook Pkwy · Newton, MA 02459

<https://github.com/harrisonjwong> · <https://harrisonjwong.com>

EDUCATION

Northeastern University, Boston, MA

May 2021

Bachelor of Science in Computer Engineering and Computer Science

GPA: 3.93 / 4.00

Coursework: Object-Oriented Design, Algorithms and Data, Embedded Design, Logic and Computation, Fundamentals of Computer Science, Circuits and Signals, Fundamentals of Networks

Honors: Dean's List

EXPERIENCE

Software Developer Co-op, PowerAdvocate, Boston, MA

Jul – Dec 2019

- Develop a full stack SaaS web application with React, Node.js, and Java Spring, including:
 - Rewriting a high traffic page with a new user interface in React and enhanced backend using Spring MVC to remove pain points and improve user experience
 - Creating a AWS Node microservice to parse files containing company names from S3 and sending them to a machine learning algorithm to find matches in the database
- Create and maintain tests written with Jest, TestNG, and Selenium; use Jenkins to monitor test results
- Practice Agile development and working collaboratively with pair programming
- Learn about and participate in all parts of the entire software development life cycle
- Perform interviews for future co-op candidates to understand their technical knowledge and experience

Teaching Assistant, Northeastern University, Boston, MA

Spring 2019, Spring 2020

- Work with students in Fundamentals of Computer Science to learn concepts and complete homework
- 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

PROJECTS

Personal Website

- Create a personal portfolio website using JavaScript and React, hosted on GitHub Pages
- Use Node.js and libraries such as ReactRouter to create multiple pages and MaterialUI for design elements
- Design an interface to showcase information about personal projects, experience, and skills

Green Line Predictions iOS App

- Develop an iOS app using Swift to give accurate information on Boston's Green Line train predictions
- Create an optimized user interface specifically for the unique properties of the Green Line
- Design a model that polls an API and processes the output into data structures

Animator

- Created an interactive MVC application in Java to make and play shape animations
- Designed and iterated on a flexible data model with changing requirements
- Built views to play the animation using Java Swing and export to a text description or SVG file

SKILLS

Languages

Java, JavaScript, Swift, CSS, HTML, SQL, C++, Python

Software

Xcode, IntelliJ, Eclipse, Jenkins

Frameworks

Node.js, React, JUnit, TestNG, Selenium, Jest

Programming Skills

Unit testing, integration testing, IDE debugger, browser inspector/debugger

Computer Skills

Version control (Git, Subversion), command line, Vim, LaTeX, Markdown, Excel

Hardware

Arduino, Raspberry Pi, digital multimeter