Harrison Wong

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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, Database Design, Computer Systems
Honors: Dean's List

EXPERIENCE

Software Developer Co-op, PowerAdvocate, Boston, MA   Jul – Dec 2019
- Rewrote a high-traffic page in a main company product to enhance usability and remove pain points; modernized decade-old code with a new front end in React and enhanced back end using Java Spring
- Worked in an existing microservice-based architecture hosted on AWS, including designing and developing a new Node microservice to parse and validate data from S3 and record results from sending it to a machine learning algorithm
- Developed on a full stack SaaS web application with React, Node.js, and Java Spring including creation of new features and bug fixes
- Demoed and explained new features to company leadership to show business value
- Worked with product owners to negotiate criteria for features to provide maximum value for time spent
- Participated in a continuous integration testing environment and practiced agile development
- Worked collaboratively using pair programming with all levels of developers
- Interviewed future co-op candidates to evaluate their skills, technical knowledge, and fit to the company

Teaching Assistant, Northeastern University, Boston, MA   Spring 2019, Spring 2020
- Work with students in Fundamentals of Computer Science to teach concepts and answer questions
- Hold office hours and run labs to help students with coding assignments
- Grade coding assignments and exams in a timely manner

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, HTML, CSS, SQL, C++, Python
Software	IntelliJ, Xcode, Eclipse, Jenkins
Frameworks	Node.js, React, JUnit, TestNG, Selenium, Jest
Miscellaneous	Git, Subversion, npm, Unix, Vim, LaTeX