

# Harrison Wong

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## EDUCATION

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**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, Computer Systems, Embedded Design

**Honors:** Dean's List

## EXPERIENCE

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**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

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### 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

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<b>Languages</b>	Java, JavaScript, Swift, HTML, CSS, SQL, C++, Python
<b>Software</b>	IntelliJ, Xcode, Eclipse, Jenkins
<b>Frameworks</b>	Node.js, React, JUnit, TestNG, Selenium, Jest
<b>Miscellaneous</b>	Git, Subversion, Unix, Vim, LaTeX