

# Harrison Wong

US Citizen

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## EDUCATION

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### Northeastern University

Boston, MA

Bachelor of Science in Computer Engineering and Computer Science

Sep 2017 – May 2021

**GPA:** 3.93 / 4.00

**Coursework:** Software Development, Web Development, Database Design, Capstone Project

**Honors:** Dean's List, all semesters

## EXPERIENCE

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### Cisco

Cambridge, MA (Remote)

Software Engineer Intern

May 2020 – Dec 2020

*Working with a six-person Scrum team, delivered new features and bug fixes for Cisco Defense Orchestrator, a cloud-based web app used to manage Cisco's proprietary FTD and ASA firewalls in bulk.*

- Implemented a customer requested feature in Java Spring and Angular to download/upload config files
- Built components in Angular to filter and modify tables and used Redux to connect components to back end
- Added audit logging to TypeScript back end to record all API requests and their completion time
- Improved and fixed unreliable automated tests to increase team's ability to deliver work
- Performed code reviews for teammates and helped define stories for future work

### PowerAdvocate

Boston, MA

Software Engineer Intern

Jul 2019 – Dec 2019

*Working with a 30-person team using Kanban, developed code for PowerAdvocate's Energy Intelligence Platform, a SaaS business management tool for energy companies that automates product bidding, spend analysis, and more.*

- Modernized a high-traffic webpage with Java Spring and a new React front end to enhance usability
- Created a Node.js microservice to funnel requests from multiple instances into a synchronous queue
- Designed an interactive dashboard using React Echarts to visualize customer spend data
- Collaborated with engineers using pair programming and worked with product management to refine stories
- Demoed work to company leadership to explain new features and value added to the product

### Northeastern University

Boston, MA

Teaching Assistant, Fundamentals of Computer Science 2

Jan 2019 – Apr 2020

- Assisted first-year computer science students with Java and object-oriented programming concepts
- Ran office hours to help students and labs to help students with coding assignments
- Graded coding assignments and exams in a timely manner

## PROJECTS

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### Des-Cart Mobile App

- Worked with a team of six people to create a purchase tracker and recommendations mobile app
- Designed and implemented the back end using TypeScript and Nest.js; connected to a Flutter front end, a MySQL database using TypeORM, and an AWS machine learning engine

### Election Visualization Tool

- Created a React app to interactively visualize U.S. Senate elections through colored maps and tables
- Parsed data from free external APIs and webpages to use as a data source

## SKILLS

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### Languages

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

### Frameworks

Java Spring, Angular, Redux, React, Nest.js, TypeORM, AWS

### Testing

JUnit, TestNG, Selenium, Mockito, Jest, Karma, Protractor, Jenkins

### Miscellaneous

Git, Subversion, npm, Postman, MySQL, MongoDB