SHARON **KIM**

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EDUCATION

Wellesley College
B.A. in Computer Science
2014 – 2018 | GPA: 3.5/4.0

Massachusetts Institute of Technology
Cross-registered student
2017 – 2018 | GPA: 5.0/5.0

SKILLS

Languages
Typescript • Javascript • Java • Python • HTML/CSS • SQL • Bash • C • Racket • StandardML • Perl

Frameworks and Technologies
- Vue.js/Nuxt
- Vite
- Django
- Jest/Enzyme
- Git
- React.js
- Vuetify
- Buefy
- Material UI
- Ruby on Rails
- Postgres
- Jenkins
- Amazon Web Services

Practices and Methodologies
- Test-driven development
- Pair programming
- Agile

HONORS & AWARDS

- AP Scholar with Distinction
- USA Biology Olympiad Semi-finalist (2013)
- Boston Youth Symphony Orchestra Concerto Competition Finalist (2013)

EXPERIENCE

Financial Technology Partners | *Frontend Engineer* | March 2021 – Present
- Building the foundations for the bank's data hub, an internally-developed CRM.
- Wrote an email crawler for the bank's projects inbox, which contains contacts data and buyer tracking data to automatically ingest to the CRM (millions of emails scraped to date).
- Created the bank's PTO system and scheduling tool that helps make staffing decisions for bankers and their deals.
- Ensured code quality by boosting test coverage from 0 to 70% and migrated the entire frontend codebase to Typescript (and later, Vue 3/Vite).

JP Morgan Chase | *Software Engineer in Markets Execution (Corporate and Investment Bank)* | July 2018 – October 2019
- Developed a web app called Portfolio Analytics, a pre-trade analytics tool under the firm's DataQuery platform.
- Collaborated with the product owner, the London UX team, and the software team to split tasks into JIRA cards, opened and reviewed coworkers' PRs, made sure that bugs and new features are fixed or implemented in a timely manner, presented new features to the product owner and higher-ups biweekly.

MIT Lincoln Laboratory | *Technical Staff in Group 52 (D3M)* | January 2018
- Learned to construct a machine learning pipeline for an audio data set using an SVM classifier.

Braintree Payments | *Software Engineer Intern on Team Search* | Summer 2017
- Ensured the Braintree Gateway's forward compatibility with Elasticsearch 5.x using Ruby on Rails.
- Contributed to writing a loader that would catch data inconsistencies from Elasticsearch cluster to Kafka.
- Intern project involved integrating the Braintree SDK with the AR (Augmented Reality) Tool Kit. When an Android phone camera is pointed at a cue, a product appears on the phone screen, allowing the customer to view the product in their home.

ADDITIONAL EXPERIENCE

The Radhakrishnan Lab | *Research Award Intern* | Summer 2016
- Performed molecular dynamics simulations to understand how dynamic movement (ΔG) affects protein complexes' interactions (i.e., their charge distributions) using GROMACS software on the wild and mutant forms of chronic myeloid leukemia-treating drugs. Used mainly command line and Perl/Python scripts generated on the fly.
- Presented to an audience of academic faculty and industry experts about end-of-summer findings.

Harvard College Opera, MIT Symphony Orchestra | *Concertmaster* | 2016 – 2018

National Youth Orchestra of the USA | *2nd principal violinist* | 2014