SHARON **KIM**

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Highly motivated full stack engineer with an eye for detail, a strong sense of project ownership,
and a propensity for good, idiomatic code.

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
• Three.js
• Django REST API
• Jest/Enzyme
• Git
• React.js/Redux
• Material UI
• Ruby on Rails
• PostgreSQL
• Jenkins
• Spring Boot
• Amazon Web Services

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

HONORS & AWARDS

• AP Scholar with Distinction
• USA Biology Olympiad Semi-finalist (2013)
• BYSO Concerto Competition Finalist (2013)

EXPERIENCE

Financial Technology Partners | *Frontend Engineer* | March 2021 – Present
• Solving CSS/JS multi-browser compatibility issues and optimizing front-end performance – minifying resources, static site hosting, using a CDN
• Leveraged OpenAI API and embeddings to develop innovative features such as "ChatPDF" and "Agent," enhancing efficiency for bankers in their day-to-day tasks.
• Designed and implemented an email crawler to extract vital contact and buyer tracking data from the bank's projects inbox. To date, millions of emails have been successfully scraped and automatically integrated into the CRM.
• Spearheaded the development of the bank's data hub, a crucial CRM that serves as the foundation for managing and optimizing client relationships and biz ops.

JP Morgan Chase | *Software Engineer in Markets Execution (Corporate and Investment Bank)* | July 2018 – October 2019
• Developed and launched Portfolio Analytics, a web-based pre-trade analytics tool as part of the firm's DataQuery platform.
• Collaborated closely with cross-functional teams, including the product owner, London UX team, and software development team, to streamline project tasks using JIRA cards. Actively participated in peer code reviews, ensuring timely resolution of bugs and the implementation of new features.

MIT Lincoln Laboratory | *Technical Staff in Group 52 (D3M)* | January 2018
• Constructed 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.
• Wrote a loader that would catch data inconsistencies from Elasticsearch 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