SHARON KIM

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Highly motivated and detail oriented full-stack engineer focused on delivering high-quality, idiomatic code, collaborating with stakeholders, and pursuing impact through a strong sense of ownership.

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

- NYO-USA 2nd principal violinist (2014)
- Harvard College Opera concertmaster (2016)
- BYSO Concerto Competition Finalist (2013)

EXPERIENCE

Financial Technology Partners | *Frontend Engineer* | March 2021 – Present
- 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.
  a. Tech stack: Vue.js, Python (Django), PostgreSQL.
- Ensured seamless cross-browser compatibility by resolving CSS/JS issues and enhancing front-end performance. Achieved this through resource minification, static site hosting, and leveraging a Content Delivery Network (CDN).
- Collaborated and managed relationships with biz dev, investor, and research teams to deliver impactful features, such as filtering by company financials data, not available on other CRM providers like Salesforce.
- Leveraged OpenAI API and embeddings to develop innovative features such as "ChatPDF" and "Agent" (an LLM with access to a suite of tools). Enhanced bankers' efficiency to read and parse documents, providing intelligent insight and analysis.
- Designed and implemented an email crawler to extract vital contact and buyer tracking data from the bank's projects inbox using IMAP. To date, millions of emails have been successfully scraped and automatically integrated into the CRM.
- 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 and launched Portfolio Analytics, a web-based pre-trade analytics tool as part of the firm's DataQuery platform using React.js and Spring Boot.
- 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.
- Delivered biweekly presentations to the product owner and senior management, showcasing new features and project progress.

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.

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.