

SHARON S. KIM

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<https://github.com/sharonsooyeon>

Highly motivated worker passionate about good, efficient, and idiomatic code. I have experience ranging from full stack development (front-end heavy) to dealing with more complex codebases (in the computational realm, working with command line and generating scripts on the fly). In short, I am a big-picture thinker who also has a background in computer science.

EDUCATION

Wellesley College, Wellesley, MA

September 2014 – June 2018

Bachelor of Arts in Computer Science

Cumulative GPA: 3.5/4.0

Massachusetts Institute of Technology, Cambridge, MA

September 2017 – June 2018

Cross-registered student

Cumulative GPA: 5.0/5.0

RELEVANT EXPERIENCE & PROJECTS

JP Morgan Chase & Co., New York, NY

July 2018 – October 2019

Software Engineer in Markets Execution (Corporate and Investment Bank)

- Using React/Redux (TypeScript), Jest/Enzyme, and Spring Boot/Java for back-end work, 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, Cambridge, MA

January 2018

Technical Staff in Group 52 (D3M)

- Learned to construct a machine learning pipeline for an audio data set using an SVM classifier.

Braintree Payments Software Engineering Internship, Chicago, IL

Summer 2017

Software Engineering Intern on Team Search

- 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: 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.

The Radhakrishnan Lab—a computational chemistry lab, Wellesley, MA

Summer 2016

Research Award Intern

- 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.

TECHNICAL SKILLS

Java, Python, TypeScript/JavaScript, React.js/Redux, Jest/Enzyme, Git, Jenkins, Highcharts, HTML/CSS, Material UI, Confluence, C, Ruby on Rails, Racket, StandardML, Perl

HONORS & AWARDS

- AP Scholar with Distinction
- USA Biology Olympiad Semi-finalist (2013)

- Boston Youth Symphony Orchestra Concerto Competition Finalist (2013)

LEADERSHIP & ADDITIONAL EXPERIENCE

Harvard College Opera, MIT Symphony Orchestra, Cambridge, MA
Concertmaster

Spring 2016 – Spring 2018

National Youth Orchestra of the USA, White Plains, NY
2nd principal violinist

Summer 2014