

# SHARON S. KIM

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## 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

Fall 2017 - Spring 2018

*Cross-registered student: Course 6*

Cumulative GPA: 5.0/5.0

## RELEVANT EXPERIENCE & PROJECTS

**JP Morgan Software Engineering Program**, New York, NY

July 2018 - October 2019

*Software Engineer in Markets Execution (Corporate and Investment Bank)*

- Using the React/Redux framework with TypeScript and Jest/Enzyme for testing, developed a web app called Portfolio Analytics, a pre-trade analytics tool under the firm's DataQuery platform.
- Collaborated with the product owner, London UX team, and 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, and presented new features to the product owner and higher-ups biweekly.

**6.s978: Privacy and Legislation: Law and Technology (MIT/Georgetown Law course)**

Spring 2018

*Final submission included a bundle of: one-pager, white paper, presentation, section-by-section, and legislative proposal. (Grade: A)*

- Presented a legislative proposal to a panel of legislators and public policy experts in Washington, D.C.
- Wrote the Broadband ISP Privacy Act of 2018, an act that fosters competition among local Internet Service Providers and provides consumers with meaningful choice about the collection and use of their private information.
- Won the "Wildcard Award," one of two awards given to the entire class, for best presentation, written and presented by mostly myself.

**Braintree Payments Software Engineering Internship**, Chicago, IL

Summer 2017

*Software Engineering Intern on Team Search*

- Using Ruby on Rails, ensured the Braintree Gateway's forward compatibility with Elasticsearch 5.x.
- Wrote a Rewinder that would catch data inconsistencies from a Kafka output to Elasticsearch input.
- Intern project included 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  $\Delta G$  calculations on both the wild-type and mutant forms of chronic myeloid leukemia-treating drugs to evaluate their efficacy in electrostatic binding using GROMACS software.
- Performed molecular dynamics simulations to understand how dynamic movement affects protein complexes' interactions and calculated hypothetical optimal charge distributions in such binding.
- Presented to an audience of academic faculty and industry experts about end-of-summer findings.

## LANGUAGES

Python, TypeScript/JavaScript, React.js/Redux, Git, HTML/CSS, JIRA, Jenkins, Spring Boot, Confluence, Java, Racket, Standard ML, C, Perl

## LEADERSHIP & ADDITIONAL EXPERIENCE

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

Spring 2016 - Spring 2018

*Concertmaster*

- Rehearsals occurred twice a week for three hours.
- As section leader, led sectionals for the violin section to refine technique, playing, and style.

*2<sup>nd</sup> principal violinist*

- Toured the U.S. in a free program sponsored by the Weill Music Institute, Bloomberg Foundation, and Carnegie Hall with American conductor David Robertson and Israeli-born violinist Gil Shaham.