

Seiji Sakiyama

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Seeking **full-time, new grad** software engineering role in a fast-paced environment with a variety of challenges. Looking to start **early 2019**. Experience with front-end development, systems and data engineering.

EDUCATION

- **University of California, Berkeley** Berkeley, CA
BA in Computer Science, BA in Applied Math; Major GPA: 3.83/4.00 *Dec. 2018*

WORK EXPERIENCE

- **Google** Mountain View, CA
Software Engineering Intern, Ads *May 2018 - Aug. 2018*
 - **Created and helped ship user-facing features** for the advertiser platform, reducing form-filling time by up to 10% for 53% of users.
 - Collaborated with product management and UX teams to identify an entrypoint minimizing cognitive load.
 - Improved page loading latency by asynchronously deferring component loading for page elements.
 - Refactored infrastructure to enable restoration of internal state.
 - Wrote primarily in **Angular Dart** and **Java**, unit and integration tests with **Mockito**, build rules with **Bazel**.
- **Elim Biopharmaceuticals** Hayward, CA
Web Developer *Mar. 2017 - Sep. 2017*
 - **Migrated local company's customer portal** to **JSP** from ASP.NET.
 - Implemented custom business logic, including customer registration and retail order forms.
 - Added features for fetching customer records using **MyBatis-3** to generate **SQL** queries.
 - Worked in **Spring MVC**, **JSTL** and **jQuery** for form logic and model management.

PROJECT HIGHLIGHTS

- **Assisted Emotion Reading** PennApps XVII Team Project
Glasses attachment that assists those with difficulty reading emotions. *Jan. 2018*
 - Built wearable assistive tech and webapp that help users recognize emotions of those around them.
 - Used **Raspberry Pi** with PiCamera extension, **AWS Rekognition API** for ML.
 - Deployed webapp using **Flask**, **AWS EC2** and demonstrated at PennApps Expo.
- **RhymeTime Verse Generator** Personal Project
Python package for creating rhyming verses in the style of an artist. *Nov. 2017*
 - Wrote **Python** package for collecting and generating lyrics from an artist's previous work and a starting lyric.
 - Developed utility for Genius API to scrape all lyrics for a given artist using **Beautiful Soup** (collect.py).
 - Created custom soft-rhyming algorithm and utility using **NLTK** (rhyme.py).
 - Deployed **Django** webapp version of package to Heroku.

PROGRAMMING SKILLS

- **Languages:** Python, Java, Javascript, Dart, C, Verilog
- **Frameworks:** Angular, Bazel, Django, Flask, JSP, JUnit, MyBatis-3, Mockito, SciPy suite, Spring MVC
- **Technology:** AWS EC2, Docker, GDB, Git, Multithreading, SQL, Unix shell, VCS, Vim, VirtualEnv

ACHIEVEMENTS AND INVOLVEMENTS

- Top five in Jane Street Electronic Trading Challenge 2018.
- Working on a new scheduling feature in **Django** for berkeleytime.com, a student-run enrollment help website.
- Senior Mentor in Computer Science Mentors: training mentors and developing curriculum to provide tutoring to students in an undergraduate computer science course. Curriculum written in \LaTeX , managed with Git.
- Course staff in various undergraduate courses, including introductory electrical engineering and discrete maths.