Bryan Lim

2415 Fulton Street | Berkeley, CA 94704 | (310) 200-4510 | b.lim@berkeley.edu

EDUCATION

University of California, Berkeley GPA 3.49
B.A., Computer Science May 2019

TECHNICAL SKILLS

Languages and Frameworks: Java, Python, Android Studio, Ruby on Rails, C, React, Vue.js, Flask
Technical Tools: PostgreSQL, Git, LaTex, ngrok, Jenkins, CircleCI, Docker

WORK EXPERIENCE

Software Engineering Intern, Procore Technologies Jun. 2018 - Aug. 2018

- Reduced intern onboarding learning curve by creating an application with skeleton code and guided instructions to navigate the company codebase, create RSpec tests, and use Git at industry standards (Ruby on Rails, Vue.js)
- Used GitHub webhooks and Jenkins to validate intern progress on tutorials and update them in real time
- Updated company client data through backfills and database migrations in a PostgreSQL database, overhauled backend services to support newer frontend React components, and created RSpec tests for all backend changes
- Met with actual users of Procore to discuss pain points and user-created workflows to inform design decisions

Breakout Mentors Sep. 2017 - Sep. 2018

- Mentored multiple students in the Bay Area to develop a strong programming foundation in Python and Scratch
- Created open-ended, weekly lesson plans to challenge students to use their own creativity and skills learned

PROJECTS

Represent! (Java, Android Studio)

- Created an app in Android Studio that provides users the ability to quickly find the senators and representatives corresponding to their location based on either current location or ZIP code
- Used Google Play and Geocodio APIs to determine location of the Android device and resolve ambiguity for the ZIP code option when multiple congressional locations were returned
- Designed wireframes in Figma mocking the workflow of the application and design of components

Online Shopping Webcrawler (Python)

- Wrote a Python script to monitor my favorite online shopping site, Urban Outfitters, and notify me of a restock
- Used Flask to create a form that could be submitted on the web, Selenium to interact with provided URLs and gather data, and the OAuth2Client Library to send myself secure emails
- Used the time library to continuously run the program and check for hourly updates

Keyboard (React)

- Created a desktop app that maps keyboard input to notes on an electric keyboard
- Included functionality for up to 85 keys and a select bar to choose desired octave ranges
- Designed keyboard layout to be intuitive and representative of the instrument

EXTRACURRICULARS

Theta Tau Professional Engineering Fraternity Sep. 2016 - Present

- Built a table with an LED component controlled by a Raspberry Pi that alternated between four light patterns
- Raised and donated $847 to the Treatment Advocacy Center through a campaign targeted towards dismantling mental health stereotypes and starting a conversation
- Documented brotherhood events and created Rush and end-of-the-year recap videos as Historian

Berkeley ANova Feb. 2018 - Jun. 2018

- Planned and taught Computer Science curriculum in Python and Java for under-resourced high school students

RELEVANT COURSEWORK

Data Structures (Java)
Computer Architecture (C)
Ruby on Rails
Efficient Algorithms and Intractable Programs
Operating Systems (C)
Database Systems (SQL, In Progress)