Jennifer Xiao

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EDUCATION

UC Berkeley - Anticipated Dec 2021
B.S. Electrical Engineering and
Computer Science | 3.6 GPA

SKILLS

Languages: Java, Python, JavaScript, C, Swift, Ruby, SQL
Technologies: Node.js, React.js, Spring, Ruby on Rails, Django, Flask
Design: Adobe Suite, Figma, Bootstrap

EXPERIENCE

Software Engineering Intern, *Bloom*
Present

- Developing front-end features in React (e.g. scanable price charts, sortable investment portfolios)
- Creating back-end support for dynamic collections of investments using Python + Django.

Applications Development Intern, *ServiceNow*
Summer 2019 • Santa Clara

- Migrated single-use-case map component from Angular to new React.js based framework to allow for company-wide adoption.
- Built filtered data selection utilizing RESTful API and display of custom clustered markers on a map using Google API
- Integrated map into new Agent Workspace product that services dispatch workers customers

Backend Software Engineering Intern, *Kar (formerly STRATIM)*
Summer 2018 • San Francisco

- Built new microservice with REST API to manage mobile app events using Spring Boot. Improved server reliability and speed by moving away from monolithic server architecture
- Developed internal HR tooling using Java Play to automate re-processing of employees

BioE Research Intern, *University of Arizona - Trouard Lab*
Summer 2017 & Summer 2016 • Tucson, AZ

- Improved data extraction speed 2x on rat brain MR images through new technique and refined image processing automation in Matlab used to identify infected mice brain cells

PROJECTS

PINTOS Operating System Extension | C
Spring 2020

- Implemented priority threads scheduling, sys calls, growable file system, and buffer cache of the OS

The Music Connection Rails Web App | Ruby on Rails, https://tmc-ucberkeley.herokuapp.com/
Fall 2019

- Utilizing test-driven-development and Agile practices to refactor legacy code. A Rails web app to match tutoring sessions between 100+ teachers and students.

iOS Chatbot Food Recommendations | Swift, Flask
Spring 2019

- Led a 6 person team to create an iOS app that allows users to swipe through restaurants based on their responses to a chatbot. Uses Yelp API and Flask to service the REST API.

EXTRACURRICULARS

Social Chair | Codeology
Fall 2019 - Spring 2020

- Organized 2 semester retreats and 15+ social events for 70+ club members

INTERESTS: Urban Dance, Digital Art, Cooking