Jennifer Xiao

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EDUCATION

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

SKILLS

Languages: Java, Python, JavaScript, C, Swift, Ruby, SQL
Technologies: React, Spring, Ruby on Rails, Heroku
Design: Adobe Suite, Figma, Bootstrap

EXPERIENCE

SWE Intern | Bloom
Present

- Developing front-end features in React, such as scanable price charts and sortable investment portfolios. Building dynamic collections of investments using Python.

Applications Development SWE Intern | ServiceNow
Summer 2019 • Santa Clara

- Migrated single-use-case map application built in Angular to React as reusable component useful for company-wide product development
- Integrated map into Agent Workspace product, a centralized web app for dispatch workers
- Built filtered data selection utilizing RESTful API and display of custom clustered markers on a map using Google API

Backend SWE 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

- (2017) Improved data extraction speed 2x on rat brain MR images through new technique
- (2016) Developed image processing automation in Matlab to identify infected brain cells.

PROJECTS

PINTOS Operating System | Operating Systems Class
Spring 2020

- Developing a uniprocessor OS in a team of 4
- Implementing threads scheduling, sys calls , growable file system, and buffer cache

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

- Developing Rails web app to schedule music tutoring between teachers and 75 volunteer UC Berkeley students. Utilizing test-driven-development and Agile practices to refactor legacy code

iOS Chatbot Food Recommendations | Codeology
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 REST API.

EXTRACURRICULARS

Social Chair | Codeology
Fall 2019 - Spring 2020

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

INTERESTS: Urban Dance, Digital Art, Cooking