Jennifer Xiao

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EDUCATION

UC Berkeley - Anticipated May 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

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 tooling using Java Play - tripled speed needed to reprocess STRATIM employees as Kar workers by streamlining workflow in backend

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

The Music Connection Rails Web App | CS 169 - Software Engineering
Current

- Developing a web app built in rails to help The Music Connection schedule music tutoring between Berkeley Unified School Distric students and 75 volunteer UC Berkeley students

Recurrent Neural Network Based Music Generation | Codeology
Current

- Leading this project to create musical melodies using a Recurrent Neural Net trained on custom music MIDI files. Uses Magenta Library and Jupyter Notebooks.

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
Current

- A Computer Science club centered on mentorship and exploration within the tech industry
- Organizing 2 semester retreats and 15+ social events for 70+ club members

Class Tutor | UC Berkeley Computer Science (CS61B Data Structures class)
Spring 2019 & 2018

INTERESTS: Urban Dance, Drawing/DIY, Cooking