

Jennifer Xiao

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Education

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

Skills

Languages: Java, Python, JavaScript, C, Swift, SQL

Technologies: React, Spring, (in progress:) Ruby on Rails, Heroku

Design: Adobe Suite, Figma, Bootstrap

Work Experience

Applications Development SWE Intern | ServiceNow

June - Aug 2019

- Migrated my team's single-use case Angular Map application to React as a reusable component increasing productivity for internal developers needing maps
- Packaged map application as an internal plugin to integrate into cross-team Agent Workspace product to increase productivity for customers with a centralized one-stop-shop application
- Built features such as filtered data selection utilizing RESTful api and display of custom clustered markers on a map using Google api

Back-end Software Intern | KAR Auction Services

June - Aug 2018

- Built a new microservice with REST api to manage mobile app events using Spring Boot to improve app speed by moving app events away from the main monolith server
- Developed STRATIM internal tooling for managing client services using Java Play, streamlining the client team's processes: 3x speed of reprocessing employees.

BioEngineering Research Intern | University of Arizona

June - Aug 2016 / 2015

- (2016) Improved data extraction speed 2x on rat brain MR images speed by developing new data extraction technique for Trouard Lab.
- (2015) Developed image processing automation in Matlab to identify infected brain cells.

Projects

Recurrent Neural Network Based Music Generation | Codeology

Current

- Leading 4-week long educational project to create a basic app that creates musical melodies using a Recurrent Neural Net trained on custom music files. Uses Magenta Library and Jupyter Notebooks.
- Taught team members about high-level Machine Learning concepts, such as Neural Nets

iOS Chatbot Food Recommendation | Codeology

Feb - May 2019

- Lead a 4 person development team to create an app that allows users to swipe through restaurants based on their responses to a chatbot. Uses Yelp API and Flask.
- Teaching the team about UI Design, iOS development, API Calls, REST API framework

Extracurriculars

Social Chair | Codeology

Current

- Organizing 2 semester retreats and 10+ weekly social events for 70+ club members
- Building a collaborative, supportive community focused on helping students find their fit within the tech industry and CS at Berkeley

Class Tutor | UC Berkeley Computer Science (CS61B Data Structures class)

Spring 2019

- Tutoring 4 students 1-on-1 weekly
- Guide students proactively through office hour, labs, and with problem sets, projects

Vice President | Oro Valley Youth Advisory Council

2015 - 2017

- Raised \$4000 over 4 months to give Alzheimer's patients personalized iPods.
- Designed graphics for advertising and ticketing for 15 school events
- Organized 5 events/year with 130 teens in attendance on average.

Interests: Urban Dance, Drawing/DIY, Cooking