

# 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, SQL

**Technologies:** React, Spring; *in progress:* Ruby on Rails, Heroku

**Design:** Adobe Suite, Figma, Bootstrap

## EXPERIENCE

### ○ Applications Development SWE Intern | ServiceNow

Summer 2019 • Santa Clara

- 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 create 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

### ○ Backend SWE Intern | Kar (formerly STRATIM)

Summer 2019 • Santa Clara

- 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 internal tooling for managing client services 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

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

## PROJECTS

### ○ Recurrent Neural Network Based Music Generation |

Current

- Leading educational project that creates musical melodies using a Recurrent Neural Net trained on custom music MIDI 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

Spring 2019

- Led 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 & 2018

- Tutored 4 students 1-on-1 weekly
- Guided students proactively through office hour, labs, and with problem sets, project

**INTERESTS:** Urban Dance, Drawing/DIY, Cooking