

Julia Luo

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SKILLS

- Python
- Java
- Javascript
- HTML/CSS
- SQL
- Android
- Firebase
- React JS

EDUCATION

University of California, Berkeley

Electrical Engineering and Computer Science, B.S.
3.97/4.00 cumulative GPA | 4.00/4.00 technical GPA

Berkeley, California
Aug. 2016 - Dec. 2019

EXPERIENCE

Google

Engineering Practicum Intern | YouTube Rights Management Team

Mountain View, California
May 2017 - Aug. 2017

- Created web app to showcase the sound recording and composition mapping abilities of the Content ID API
 - Developed using Javascript, HTML, and CSS integrated with the Polymer 2.0 framework
 - Currently used by the legal team at Sony Music to quickly view their sound recording assets and ownership
- Revised the back-end of auto-rejection algorithms to improve the fairness of the Content ID application flow
 - Developed back-end with Python and front-end with Spitfire templating language and HTML

UC Berkeley EECS Department

CS 61A Teaching Assistant

Berkeley, California
Aug. 2017 - Present

- Host weekly discussions, lab sessions, and office hours, and grade homework and exams for the course CS 61A
- Help students with concepts like recursion, mutation, and OOP both in-person and online on Piazza

Codebase

Contract developer

Berkeley, California
Jan. 2017 - Present

- Cooperate with team of 8 to build the Dash front-end and Python back-end of a web app for the start-up Riffyn
- Application performs multivariate regression on Riffyn users' data with lasso regression and categorical support

Mobile Developers of Berkeley

Android developer

- Student-run organization that designs, develops, and launches IOS and Android mobile applications
- Collaborate with team of 4 to build, launch, and market the Preserve app (more information below)

PROJECTS

League of Legends Champion Selector

Developed for Hack the North 2017

Waterloo, Ontario
Sep. 2017

- Trained TensorFlow model on 25,000 previous matches based on the 5 champion selections of each player
- Predicts the outcome of a match to 72% accuracy when a player inputs their and the opponent's champions
- Front-end of web application developed using React JS, back-end using Node JS to call Python TensorFlow script

Preserve

Developed for Mobile Developers of Berkeley

Berkeley, California
Apr. 2017

- Expiry date tracking Android app which features receipt-scanning technology and smart expiry date prediction
- Developed using Android Studio with Firebase back-end integration and Google Mobile Vision API

Petreon

Developed for TreeHacks 2017

Palo Alto, California
Feb. 2017

- Facebook Messenger bot and website presenting a patron system for adopting and pledging to homeless animals
- Front-end developed using HTML, CSS, Javascript, and JQuery, and back-end using AWS lambdas

Ethos

Winner of Social Impact award at CalHacks 2016

Berkeley, California
Nov. 2016

- Chrome extension that uses IBM Watson API to report the objectivity of articles and generate author profiles
- Front-end developed using HTML, CSS, Javascript, and JQuery, and back-end using Flask and PostgreSQL

AWARDS & DISTINCTIONS

Mary Wyatt Louise Award: Ranked top three in class based on overall academic average for all years of high school

Oct. 2016

ECOO Computing Contest: Provincial rank of 26/500 teams

April 2016

Fermat Mathematics Contest National Honour Roll: Approximate national rank of 119/20000 participants

Feb 2015