

Sacramento, CA

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### **EDUCATION**

2019 - 2022 University of Southern California **B.S. - Computer Science** 

GPA: 3.71/4.0

Discrete Mathematics, Data Structures & Algorithms, Probability

Summer 2019

University of California, Berkeley

N/A

GPA: 3.67/4.0

Operating Systems, Machine Learning, Linear Algebra

2018 - 2019

University of California, Merced

**B.S. - Computer Science and Engineering** 

GPA: 3.75/4.0

Data Structures & Algorithms, Calculus, Computer Architechture

### **EXPERIENCES**

Teaching Assistant University of Southern California, CS@SC

Since Jun 2020

Taught introductory and intermediate level Python, Java, and Web development to students of different levels from middle/high school. Created unit tests for student assignments, and wrote quizzes and review questions for the students.

Python / Java / JavaScript

ple audio/image processing steps.

### **PROJECTS**

Full Stack

Personal Project Android

Since Oct 2018

Purpose: solve the problems I had with video calling people in noisy or inconvenient situations. Built a WebRTC based video conferencing app with features like real-time captioning, language identification, noise-canceling, and manual camera controls. Utilized Machine Learning for multi-

Java / Kotlin / Android / WebRTC / Python / Firebase / PHP / C++

Project Lead Full Stack

FileTunnel.net

Mar 2019 (Hackathon)

Purpose: satisfy the need to transfer files across devices on different platforms "serverless"-ly. Built a peer-to-peer file transferring website based on WebRTC. Utilized Node.JS's Socket.IO framework for server-side signaling. Supports transfer speed display, file caching and queuing. JavaScript / Node.js / WebRTC / Socket.IO / Google Cloud Platform

Personal Project Android

**Class Registration Helper (CRH)** 

Nov 2018

to Dec 2018

Purpose: resolve my frustration with my school's course registration system.

Wrote an app that provides detailed course info, monitors for available seats in selected courses and registers if possible. Interaction with the course system is done with a custom HTTP parser.

Java / Android / SQLite

For more on projects, visit jackz314.me/projects

# **SKILLS** Languages Java Python Kotlin **JavaScript**

## GCP Git WebRTC TensorFlow

Frameworks/Tools

Node.js



Android



React



Flutter



#### ACTIVITIES/HOBBIES

**ACM** 

Hackathons (e.g. HackMerced) Answering on Stack Overflow:) Coding Challenges/Competitions CTFs (e.g. picoCTF: 400/16000)

## MORE

View the up-to-date version of this resume or get to know more about me at jackz314.me/recruit

