

MENGYU(JACK) ZHANG

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EDUCATION

2019 – 2022	University of Southern California GPA: 3.75/4.0 Discrete Mathematics	B.S. - Physics/Computer Science
Summer 2019	University of California, Berkeley GPA: 3.67/4.0 Operating Systems, Machine Learning, Linear Algebra	Summer Session
2018 – 2019	University of California, Merced GPA: 3.75/4.0 Data Structures & Algorithms, Calculus, Computer Architecture	B.S. - Computer Science and Engineering

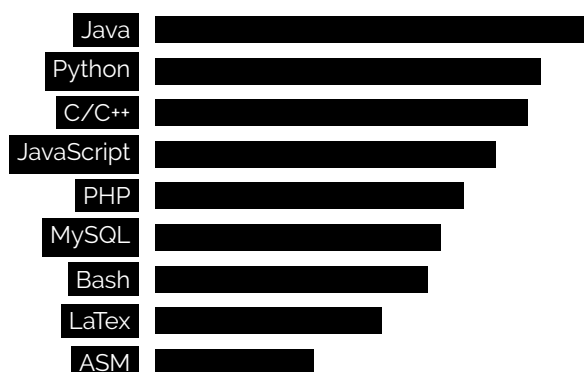
PROJECTS

Oct 2018 to NOW	"KnockKnock" Purpose: solve the problems I had with video calling people in noisy or inconvenient situations. Developed a WebRTC based video conferencing application with features like real-time captioning, noise-canceling, and manual camera controls. Used PHP for a tentative backend system. Java / Android / WebRTC / Firebase / PHP / C++ / MySQL	Individual/Full Stack Developer
Mar 2019 Hackathon	FileTunnel.net 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 / GCP	Individual/Full Stack Developer
Nov 2018 to Dec 2018	Class Registration Helper (CRH) 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	Individual/Full Stack Developer

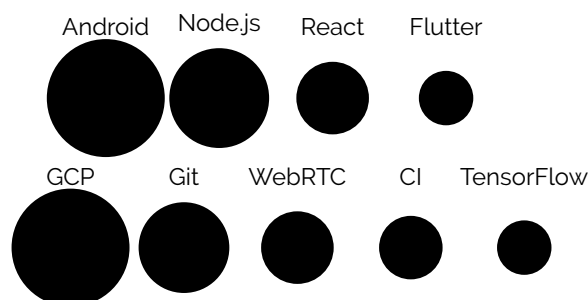
For more on projects, visit jackz314.me/projects

SKILLS

Languages



Frameworks/Tools



ACTIVITIES/HOBBIES

ACM
Hackathons (e.g. HackMerced)
Answering on Stack Overflow :)
Coding Challenges/Competitions
CTFs (e.g. picoCTF: 400/16000)
Running, cycling, hiking
Music related stuff
Video Games
...

MORE

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LANGUAGES

Chinese - native
English - proficient
Japanese - rudimentary