Kehan (Jason) Wang

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Software engineer skilled in full-stack, mobile development and reinforcement learning.

EDUCATION

Bachelor of Arts, Computer Science

University of California, Berkeley
Junior, Spring 2021
Dean's Honors List (Top 10%)
GPA: 3.85

HONORS and PROJECTS

1st Place Winner of Cal Hacks 5.0

https://navii.io/
- 1st place in Cal Hacks 5.0, a 36-hour hackathon with ~2000 hackers, ~250 teams from all over the world.
- *Navii* is an AR mobile app for indoor navigation. It generates a path to the user's destination in camera and gives the highest indoor navigation accuracy.

RESEARCH

sensAI

RISE Lab
- Distribute a drone's central controller work onto four individual propellers.
- Replace a central PID controller with four individual controllers using Policy Gradient.

LEADERSHIP

Industrial Relations Chair of UPE

Jan 2020 - Now

President of the Student Union

Oct 2015 – Jun 2016
- Organized school-wide student activities (Movie Dubbing Competition, Food Festival…)
- Conveyed students' opinions to school administration and argue for changes in school policies to make the campus a better place. (No School Uniform Day, School-wide Wi-Fi…)

PROGRAMMING LANGUAGES

Python, Java, Kotlin, Swift, React-Native, C/C++, GO, JavaScript, SQL, HTML

EXPERIENCE

Mobile Software Engineer

Brilliant Home Technology
San Mateo, CA
May 2019 – Aug 2019

- Brilliant Smart Home control panel and mobile app connect all smart home devices together and let users control everything from one place.
- Developed new features on the mobile app, such as Alexa Skills compatibility, user preferences persistence, smart shades support, and user home devices administration.
- Implemented all features on both Android and iOS (Kotlin and Swift). Used MVVM architecture, ReactiveX programming, and Swinject/Dagger.

Software Engineer

California PATH
Berkeley, CA
Jun 2018 – May 2019

- Developed *PathTransit*, a public transit app that supports ticket purchasing and bus-user location matching for transit services, e.g. BART, AC Transit.
- Backend Flask APIs scrape real-time transit info, provide stops and lines info to the frontend, and match users to their buses based on their real-time locations. (SQL)
- Frontend displays bus stops, lines, and their ETA. Users can purchase tickets, match with buses, and receive mileage awards. (React-Native)

Backend Software Developer

Simpatica Medicine, Inc
Berkeley, CA
Feb 2018 – May 2018

- Developed a scalable backend for increasing data needs from machine learning on how different AIDS patients react to different medical treatments.
- Implemented a cluster of Docker containers to handle large uploads so that data can be compressed and provisioned using Airflow.

Lab Assistant

UC Berkeley
Berkeley, CA
Jan 2018 – May 2019

- Lab assisted EE16A/B: Designing Information Devices & Systems I/II.
- Helped students with lab work such as debugging breadboard circuits and understanding material.