Kehan (Jason) Wang

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EDUCATION

University of California, Berkeley — Bachelor of Arts: Computer Science, 2021

- Junior, GPA 3.85
- Dean's List, Honors to Date Distinction

RESEARCH

Distributed Machine Learning - sensAI Jan 2020 Now
RISELab Berkeley, CA

- Implemented Centralized/Decentralized imitation learning (against PID and MPC) and reinforcement learning (Policy Gradient) using Pytorch on Quadcopter trajectory planning.
- Conducted experiments to show the speed advantage of decentralized learning at a small cost of accuracy.

Integrated Dynamic Transit Operation Systems Jun 2018 May 2019
California Partners for Advanced Transportation Technology Berkeley, CA

- Developed PathTransit, a public transit app that supports ticket purchasing and bus-user location matching for transit services, e.g. BART, AC Transit.
- Created an algorithm that classifies if a passenger is on a certain bus or not, given very sparse GPS data from both the passenger and the bus.

EXPERIENCE

Software Engineer Feb 2018 May 2018
Brilliant Home Technology San Mateo, CA

- 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 Feb 2018 May 2018
SF-17 Berkeley, CA

- Developed a scalable backend using Docker Containers to increase data needs from machine learning on how different AIDS patients react to different medical treatments.

Lab Assistant for EE16A/B Jan 2018 May 2019
University of California, Berkeley Berkeley, CA

AWARD

1st Place Winner Nov 2018
Cal Hacks 5.0 Berkeley, CA

- Calhacks 5.0 is a 36-hour hackathon with ~2000 hackers, ~250 teams from all over the world.
- Developed Navii, an AR mobile app for indoor navigation. It generates a path to the user's destination in camera and provides the highest indoor navigation accuracy.