

KAIRUI ZENG

kairuizeng@berkeley.edu
Berkeley, CA | (510) 206 8793
github: kaitokid | linkedin: kairui

EDUCATION

- **UNIVERSITY OF CALIFORNIA, BERKELEY** Berkeley, CA
B.A. in Computer Science May 2019
Organizations: Berkeley Hyperloop, Computer Science Undergraduate Association, Cal Climbing
Classes: Human Computer Interaction, Data Structures and Algorithms, Data Science Foundations
Skills: Service Design, Python, Java, SQL, Django, Jupyter, Docker, Javascript, UI, UX, Git, Pokémon trainer

WORK EXPERIENCE

- **PROPELLAND** San Francisco, CA
Creative Technologist May 2017 - Ongoing
 - Designed and built a medical hydration analysis platform to be used at 2018 FIFA World Cup Russia
 - Implemented the backend and API in Django and deployed with Docker for production; used Celery and Redis for asynchronous task management and RabbitMQ for device communication
 - Devised strategic business plans and built product pitches for Fortune 100 clients through primary research and ideation sessions
- **UC BERKELEY ASUC - OFFICE OF THE CTO** Berkeley, CA
Project Manager & Deputy CTO September 2016 - Ongoing
 - Overlook development of three products (BerkeleyTime, etc) used by over 60% of the student body
 - Lead a team to create an autonomous webcasting service to improve course content accessibility
 - Built pipeline to process video and track lecturer's movement with an OpenCV framework
- **HALO NEUROSCIENCE** San Francisco, CA
Research Intern May 2014 - July 2014
 - Designed lab experiments to improve motor activity through transcranial direct current stimulation
 - Programmed motor skill tests in Javascript which tested participant reaction times and improvements
 - Confirmed viability of tDCS in high intensity sports through studies with eSports professionals

LEADERSHIP AND EXTRACURRICULARS

- **UAVS AT BERKELEY**
Co-Founder and Racer
 - UAV-B finished 2nd place in the 2016 National Collegiate FPV (First Person View) racing tournament
 - Obtained sponsorships worth over \$5k from companies such as DJI, 3DR, and Kespry
 - Oversaw organization-led research projects for mid-air refueling of UAS and first-person laser tag
 - Co-authored campus-wide policies regarding UAS safety and regulation with UC Regents and UC Police
- **U-LED**
Customizable Sound Reactive LED Strip
 - Designed a sound-reactive LED strip that glows and flashes depending on BPM of music
 - Built the backend with Flask and developed a VUI to be used with Amazon Echo and Google Home
- **FOODWAGON - TECHCRUNCH DISRUPT 2016 SF HACKATHON**
Cisco Award Winner
 - Designed and implemented a chat bot to promote company inclusion through lunch socials
 - Used NodeJS, node-flint framework, Django, and MapQuest API to build platform for employees to easily join others for outings based on restaurant and hobby preferences