KAIRUI ZENG

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY
B.A. in Computer Science

Berkeley, CA
May 2019

Organizations: UC 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
Creative Technologist

San Francisco, CA
May 2017 - Ongoing

- **Software engineer** for a project to be used by all National teams at 2018 FIFA World Cup Russia™
- Designed and developed back-end, architecture, pipeline and API with **Django**, **RabbitMQ**, **Docker**
- Used **Python** with Google's Gmail API to detect incoming packages for a smart lock
- Assisted with **primary research** and **ideation sessions** to build case studies and product pitches
- **Assessed and redesigned business strategies** of clients like Coca-Cola for a new brand image
- Analyzed UI/UX **usability heuristics**, **defined personas**, and strategized **ideal user journeys**

UC BERKELEY ASUC - OFFICE OF THE CTO
Project Manager & Deputy CTO

Berkeley, CA
September 2016 - Ongoing

- Leading a team to create an **autonomous webcasting** service for Berkeley classes
- **Building pipeline** to automatically process video and track movement with an **OpenCV** framework
- **Soft-launched the service** which was put to use between 5 classes in 3 departments in Spring

CIeNET TECHNOLOGIES
Product Management Intern

Santa Clara, CA
May 2016 - July 2016

- **Analyzed market need** and managed development of 4 core features expanding app functionality
- **Designed solution sets** with engineers to lower barrier of entry for users in Western audience
- **Created a marketing campaign** targeting University students increasing user base by 23%

LEADERSHIP AND EXTRACURRICULARS

UAVS AT BERKELEY
Co-Founder and FPV Racer

- Co-founded the organization and obtained sponsorships from companies such as DJI, 3DR, BH Photo
- Hosting workshops for campus community in flying and building UAS for research and recreation
- Worked with administrators and UC police to co-author campus-wide polices regarding UAS safety

U-LED
Customizable Sound Reactive LED Strip

- Designed an IoT sound-reactive LED strip that runs off of an RPi, beat detection module, and USB mic
- Built the backend with Flask and many Python libraries: supervisor, ws_281x, subprocess, and more

TECHCRUNCH DISRUPT 2016 SF HACKATHON - CISCO AWARD
Lunch Pairing Chatbot

- Used NodeJS and node-flint to design and build an office productivity tool for Cisco Spark