JAKE CHONG

SOFTWARE ENGINEER

SKILLS

Go

Python

Django

Docker

Kubernetes

EDUCATION

B.S. EECS

UC Berkeley, Class of 2018

Major: Electrical Engineering / Computer Science

COURSES

- Data Structures
- Computer Architecture
- Networks
- Databases
- Operating Systems
- Machine Learning

CONTACT

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Github: jakechong

EXPERIENCE

RIDECELL AUG 2018 - Present
Software Engineer

- Designed and developed a hardware abstraction layer to facilitate communication between Ridecell's backend and hardware vendor APIs, which allows Ridecell backend to not care about which vendor it communicates with
- Developed a state machine to keep track of rental state of vehicles and vehicle data
- Created multiple microservices from scratch

RIDECELL JUN 2018 - AUG 2018
Software Engineer Intern

- Wrote script on mock car server to simulate moving cars in QA environment
- Maintained monolith codebase and fixed bugs in production

LOGITECH JUN 2017 - AUG 2017
Software Test Automation Engineer Intern

- Developed test suite using Python unittest framework to automate testing for mouse driver software
- Specifically tested the internal API, which includes methods to retrieve data about mouse settings

CAL PERFORMANCES JUN 2016 - SEP 2016
Web Developer

- Maintained Cal Performances website, adding upcoming events and managing user accounts
- Worked with PHP to automate updates and created a JSON database to manage all events
- Used PHP server-side scripting to dynamically generate web pages of performances

PROJECTS

PARKPAL

- Built a parking sensor with Arduino that informs any user if their parking space has been taken
- Created a web app in Flask that uses the Google Maps API to show the location of the parking spot
- Used data visualization with Highcharts to display times of the day the parking space is occupied