

James Zhou

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EDUCATION:

UCLA, Samueli School of Engineering, Computer Science

Expected June 2022

- Relevant Coursework: Data Structures, Discrete Math, Algorithms, Operating Systems, Databases, Networking, Machine Learning/AI, Computer Architecture, Distributed Algorithms and Blockchains
- GPA: 3.66

Miramonte High School

Graduated June 2018

- Academic GPA: 4.46 weighted, Activities: COSMOS attendee, Latin Club Officer, Public Speaking/Debate Team, Ultimate Frisbee Team Captain, Swim Instructor/Lifeguard

EXPERIENCE:

Uber – Software Engineer Intern, *San Francisco, CA*

Jun 2021–Sep 2021

- Developed tools for platform migration as member of Experimentation API team
- Created a utility tool that assists users with migrating experiments to the new platform
- Built tool to safely shut down 25K experiments in old platform with minimum impact to live services
- Improved performance by minimizing latency in realtime configuration fetching process
- Technologies: Python, Golang, SQL, Apache Thrift, S3

Amazon Web Services – Software Development Engineering Intern, *Seattle, WA*

Jun 2020–Sep 2020

- Created serverless ETL jobs pipeline to parse and scale server thermal validation Excel reports for the manufacturer and quality assurance lab
- Independently architected the solution, optimized further to reduce the runtime by 80% using threads
- Developed visualizations for thermal engineers to analyze/compare report data in Elasticsearch/Kibana
- Technologies: Python, AWS: Lambda, Elasticsearch, Kinesis, Cognito, Glue, Redshift and others

Code Inspector - Software Development Contractor, *San Francisco, CA*

Jun 2019–Sep 2019

- Designed and implemented [Google Chrome Extension](#) to display Code Inspector analysis results in Github. Code Inspector is a new platform that analyses code quality to help users manage technical debt
- Developed Unit Tests and verified the extension using Mocha, Sinon, Chai
- Produced [video](#) and wrote an [article](#) to help market the product
- Technologies: Javascript, HTML, CSS

Daily Bruin - Web Developer, *Los Angeles, CA*

Apr 2019–Jun 2020

- Built dynamic and interactive flatpages for UCLA special events (UCLA Centennial, COVID student stories etc.) as a member of the External Sites team
- Created Python script to convert old markdown article files into ArchieML Google Docs, enabling reader access to older editions of PRIME, the award winning quarterly magazine
- Technologies: React, Typescript, Gatsby

PROJECTS:

iAwake

<https://github.com/jamesszhou/iAwake>

- Created at LAHacks 2019 on a team with four other UCLA Students, the app identifies if a driver is falling asleep at the wheel and wakes them up
- Our app uses Google Maps and Twilio APIs to send geolocation notifications to emergency contacts as well as navigation system to route driver to the nearest gas station to rest
- I worked on iOS implementation in Swift, using Apple's ARKit to detect a "sleeping" driver

LEADERSHIP:

UCLA Club Ultimate Frisbee - Team Captain, *Los Angeles, CA*

May 2020-June 2021

- Cultivate healthy practice environment to teach players fundamental skills of ultimate frisbee
- Correspond with UCLA competitive club sports office for health, safety, recruiting of players

SKILLS AND INTERESTS:

- Languages: Python, C, C++, Golang, Javascript, SQL, HTML/CSS
- Frameworks: React, Bootstrap
- Interests: Ultimate Frisbee, [Sourdough Baking](#), Guitar, Photography