DAVE HO

408-334-6432 | daveho8888@ucla.edu
GitHub: https://github.com/xeliot

OBJECTIVE

Looking for summer internship opportunities to apply Artificial Intelligence and Machine Learning techniques to solve challenging real-life problems.

PROJECT EXPERIENCE

Core Developer @ 9-Eighteen | Aug 2018 – Jun 2019

- Build live food ordering system on golf courses, delivery tracking, and payment processing.
- Implement mobile app UI, restful API services for payment processing and live location updates.
- App Store Page: https://itunes.apple.com/tt/app/9eighteen/id1454298239?mt=8

Software Developer @ Eemergency | Dec 2017 – Aug 2018

- Develop mobile app to track live location updates of emergency vehicles and alert drivers to pull over safely for oncoming emergency vehicles.
- Create mobile platform, backend services for live location sharing, geofence collision detection, and notification delivery.
- Evolve from high school project to VC Funded startup

Software Developer/Founder @ Thought Jar | May 2018 – Sep 2018

- Build web & mobile app for web based survey services
- Design iPhone & Web UI frontend, and backend services for survey creation, response collection / analysis, payment distribution.
- GitHub: https://github.com/thoughtjar
- Demo: https://www.youtube.com/playlist?list=PLVbuYkBVwUeDpZjYvk6tmlmv6CEFwnZ1k

Game Developer @ Carnegie Mellon University | Jun 2017 – Aug 2017

- Construct a VR puzzle game where the player morphs various creative objects by aligning them in their line of vision. Original idea pitched and built in 6 weeks @ CMU Entertainment Technology Center.
- Integrate graphic arts, sound design, and core game mechanics into Unity & HTC VIVE Library
- Demo: https://youtu.be/BQisTKyZS3o

TECHNICAL SKILLS

Programming Languages: Python, Java, R

Mobile App Development: iOS/Swift, Android/Java, React Native

Data Science Packages: NumPy, Pandas, matplotlib, R

Development Tools: Jupyter Notebook, GitHub/GitLab, Atom

EDUCATION / AWARDS

College: UCLA Class of 2023 (freshman at fall 2019)

High School: Valley Christian High School Class of 2019   **GPA:** 4.75

Test Scores: ACT: 36/36 | SAT: 1550/1600 | PSAT: 1500/1520 | SAT Math 2: 800/800 | SAT Physics: 800/800

Relevant Coursework: Advanced Data Analysis, AP Statistics, AP Computer Science, Multivariable Calculus, Algebra 2, AP Calculus, AP Physics

Awards:

- PSAT National Merit Scholarship Winner (March 2019)
- DECA International Career Development Center Top 10 Finalist (April 2019)
- Math League Nationals 2nd Place (May 2018)
- SCVMA Statistics Competition 3rd Place (March 2017)

US PATENTS (PROVISIONAL)

- **Attorney Docket No: 5059.001PRV (March 2018)**
    - Scalable Real Time in Memory Storage and Indexing for Emergency Response System
- **Attorney Docket No: 5059.002PRV (March 2018)**
    - Dynamic Geofence Algorithm for Emergency Response System
- **Attorney Docket No: 5059.003PRV (March 2018)**
    - Smart Dynamic Alerting System