

GAVIN WONG

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EDUCATION

University of California, Los Angeles (UCLA)

2021 -- Current

B.S Computer Science, Minor Entrepreneurship

GPA: 4.0/4.0

- Relative Coursework: Intro. to CS, Data Structures & Algorithms, Linear Algebra, Discrete Math,
- Transferred Credit: Multivariable Calculus, Differential Equations, Database Management Systems, Intro. to Networking
- Activities: Association of Computing Machinery [Hack, ICPC (Advanced), Cyber, AI (Advanced)]. DevX. Bruin Entrepreneurs

Babson College

2020 -- 2020

Babson Summer Study

GPA: 4.0/4.0

- Completed an Introduction to Entrepreneurial Experience course at the top Entrepreneurial College in the US
- Learned principles of entrepreneurial thought and action and conversed with successful alumnus and guest entrepreneurs

EXPERIENCE

SMount HealthTech Inc.

July 2021 -- September 2021

Mobile Development Intern

- Developed android health app for virtual caretaking and monitoring health conditions of isolated seniors to help families
- Designed and implemented dynamic and scalable main screens, patient, and doctor List with Figma

SiliconData Security Inc.

May 2020 -- August 2020

Software Engineer Intern

- Applied GANs for network intrusion detection and utilized Zeek within Ubuntu VM to convert PCAP files into Zeek logs
- Published white paper under CEO Mentorship, on the company website

Research Intern

April 2020 -- August 2020

San Jose State University

- Assisted Prof. Mark Stamp research applying ensemble methods to modernize ML tools for malware classification
- Accomplished 10+ different experiments, processed 80GB of malware data, and extracted important opcode features
- Research published as a chapter within Springer textbook "Malware Analysis using Artificial Intelligence and Deep Learning"

PROJECTS AND LEADERSHIP

UCLA DevX - BruinBot

October 2020 -- Current

Software Developer

- Online delivery-as-a-service system to deliver meals to UCLA students and community through autonomous wheeled bots.
- Implemented delivery mapping and bot GPS features for user-facing mobile app using React Native and Node.js

GeomHacks

March 2020 -- August 2020

Founder

- Founded online hackathon to empower all students around the world in STEM and to innovate during Covid-19
- Secured ~\$100,000 funding from 15+ sponsors (e.g Github) and ~250 attendees from over 10 different countries.

Autodrone Delivery

January 2020 -- May 2020

Software Developer

- Drone delivery system designed for Covid-19 with online purchasing, real-time location status/processing of delivery.
- Utilized autonomous drone algorithm built through CNN-LSTM model and complimentary app built on Swift/Firebase.

Classroom Connections

November 2019 -- March 2020

Founder and Mobile Developer

- Education app better connecting students/teachers in Covid-19 w/ features such as anonymous chatroom, conflict calendar.
- Released on IOS App Store with 1300+ downloads

SKILLS, HONORS, AWARDS

Languages: Java, C++, Python, Swift, Javascript, SQL, HTML/CSS , Fluent in Mandarin and English

Frameworks/Tools: Tensorflow, Pytorch, NumPy, Node.js/React.js, Git/Github, Anaconda,

Honors/Awards: USACO Gold, Hack The Helyx 1st (Classroom Connections), Community Hacks 2nd (Autodrone Delivery)

Soft Skills: Communication, Teamwork, Perseverance, Diligence, Curious