VICTOR HUANG

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EDUCATION

California Institute of Technology *September 2019 - Present*
BS, Computer Science
Student Organizations: Hacktech (Caltech hackathon), Student Investment Fund, UAV Club, Robotics Team

TECHNICAL SKILLS

Programming:	Python, Java, C, C++, Swift, Objective-C, LaTeX
Software & Tools:	Firebase, AutoCAD, Arduino, Robot Operating System (ROS), OpenCV, Mathematica
Coursework:	Decidability and Tractability, Programming Methods, Intro to Computer Programming, Discrete Mathematics, Calculus of One and Several Variables and Linear Algebra

PROJECTS

ScaredyCat!
- Quick-reaction iOS game
- Convoluted adaptation of classic Whack-a-Mole game, involves difficult random objectives
- Used Swift programming language, Piskel for art design
- Created during Spring 2017 CodeDay LA hackathon, submitted to App Store March 2018 after improvements

iOS Garage Sale App
- Developed social media app for virtual "garage sales"
- Allowed users to create accounts, post belongings on marketplace for sale
- Programmed with Swift/Objective-C, Firebase back-end

WORK EXPERIENCE

Air Force Research Laboratory - Space Vehicles Directorate *June 2018 - August 2018*
Research Intern
- Developed robotic arm end-effectors for autonomous spacecraft assembly
- Applied machine learning algorithms and additive manufacturing techniques
- Worked with OpenCV, ROS (Robot Operating System) using Baxter SDK on Intel Galileo microcontrollers
- 1 of 21 high school students admitted into college-focused research program (175 total students)

Tulip Supply Co. *October 2017 - February 2019*
Founder
- Created e-commerce private label company on eBay and Amazon FBA (Fulfillment by Amazon) platforms
- Manufactured, marketed, and sold various products including felt letter boards, phone cases, chargers
- $10000+ sales in one year

CodeDay Los Angeles *July 2017 - June 2019*
Event Coordinator
- Coordinated organization efforts for biannual 24-hour CodeDay Los Angeles hackathon
- Developed and presented workshops for new programmers
- Secured $1500+ in sponsorships for each event, ensuring free admission for hackathon participants
- Introduced 700+ high school/college students to computer science

AWARDS

- First Place - Best High School Poster Presentation - Air Force Research Laboratory Scholars
- Nationally ranked in Information Technology (7th) and Computer Problem Solving (8th) at Future Business Leaders of America conferences
- National Merit Finalist