EDUCATION University of California, San Diego Electrical Engineering, BS GPA: 3.67

Apple

• Provost's Honors for 5 guarters.

Glendale Community College

Computer Science Major GPA: 3.85 (Overall: 3.77)

- Dean's Honors for 5 semesters.
- Volunteered as the C/C++ SI (Supplemental Instruction) leader, providing supplemental C/C++ instruction to students.
- Served as the robotics lab assistant, providing help to instructors in keeping the lab organized and tidy.

EXPERIENCE

Summer Intern, Core Location Frameworks

- Worked on improving an internal profiling tool that analyzes the performance of system daemons and frameworks across multiple threads and work loops.
- Built a native Cocoa software package in Swift to help visualize the binary logs created by the profiling tool.
- Performed remote debugging of system daemons using LLDB.

NASA Jet Propulsion Laboratory

Summer Intern, Mars 2020 Lander Vision System (LVS)

- Built the second version of the SpaceCraft Simulator (SCSIM) for the Mars 2020 Lander Vision System, which will be used in field testing the component in 2019.
- Designed hardware for the Nexys 4 DDR FPGA, integrating old RTL and various Pmods.
- Wrote embedded software in C/C++ to interface with the FPGA, integrating flight software modules from Mars 2020.
- Built a GUI and control interface in Python for the LVS camera gimbal.

NASA Jet Propulsion Laboratory

Year-long Intern, Mars 2020 Lander Vision System (LVS)

- Authored an easily maintainable Python software package used for interfacing with the Lander Vision System (LVS) testbeds that was adopted by numerous flight and test software engineers to validate and verify the requirements associated with the project.
- Developed Python modules to interface with different systems included in the Ground Support Equipment (GSE) rack using sockets and serial.
- Developed several major components of ground support equipment software in C++, including a FPGA manager that interfaced with MIL-STD-1553, Serial, and ICC/ITC protocols using a Xilinx Virtex 5 FPGA board and a power supply manager interacting with an SCPI interface.
- Developed data visualization software for the LN-200 IMU.

La Jolla, CA 2017 – present Expected Graduation: Jun 2020

> Glendale, CA 2014 - 2017

Cupertino, CA

Jun 2019 - Sep 2019

Pasadena. CA

Jun 2018 – Aug 2018

Pasadena, CA Jun 2016 – Sep 2017

- Helped probe PCBs and debug issues in electrical components associated with the GSE and the Lander Vision System (LVS) boards.
- Helped install Gentoo Linux and Xenomai realtime kernel patches on different systems.

Sheytoon Inc.

Co-founder and CTO

Los Angeles, CA 2015 – present

- Co-founded startup aimed at making connections in the Persian community across the world.
- Developed the initial iOS and Android applications.
- Grew the user base to 40,000 users (5,000 weekly active and 1000 paid).
- Developed plans to sustain and grow profits for over 4 years.

Koupah

Software Engineer

Manhattan, NY (Remote) Aug 2014 – Jun 2016

2015

2015

- Designed and implemented a complex backend system in PHP and Python to be used by company produced POS systems.
- Built a complete credit card processing gateway used by stores and cafes across Manhattan, successfully processing hundreds of transactions per day.
- Created iOS and Android applications in Java and Objective-C, used by customers for in-store and online ordering from participating stores.

RESEARCH	Pressto Smart Coffee Machine	2015 – 2016
	CAPSTONE Program, Glendale Community College	
	 Member of undergraduate research team that worked on desig smart coffee machine from scratch. Designed and tested the electrical schematic diagrams using Altiu Built and integrated electrical circuits according to the designed dia Authored Arduino C code for the smart coffee machine. 	ning and building a m and LTspice. agrams.
	De-centralized and provably fair drawing using the Bitcoin Block	kchain 2015
	 Implemented the first ever de-centralized and provably fair drawing the Bitcoin Blockchain in Python. Featured on BusinessInsider, AOL Money UK and CryptoCoinNews. 	ng system based on
SKILLS	 Software: Experienced in C/C++, Python, Swift, Objective-C, Java, PHP, and JavaScript. Working knowledge of Arduino programming. Experience in Wolfram Language and Matlab. Hardware: Experienced in schematic and PCB design with Altium and Fritzing. Working knowledge of LTspice and PSpice. 3D Modeling: Working knowledge of SolidWorks. Language: Native speaker of English, Armenian, and Persian. Other: Private Pilot (ASEL sUAS) Hobbies: Snowboarding, surfing, cycling, and swimming. 	
AWARDS	Winner of The Voice Challenge, NBC Universal Hackathon	2014
INVOLVEMENT	President, Alpha Epsilon Omega Fraternity at UCSD Social Chair, Alpha Epsilon Omega Fraternity at UCSD VP of Fundraising, Alpha Gamma Sigma Honors Society	2018 – 2019 2017 – 2018 2015 – 2016

Volunteer Organizer, 13th Annual SoCal Linux Expo

Volunteer Referee, St. Francis High School VEX Competitions