Michael Vartan

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Education

3.9 GPA

California State University Long Beach • 2016
Bachelor of Science in Computer Engineering • Minor in Computer Science

Work Experience

Google
May 2016 – Present

Software Engineer II

- Developed cross-system features throughout new and legacy Google services to automate datacenter planning.
- Created brand new internal web app using angular2/typescript to consolidate data from many planning systems and deprecate old services.

Raytheon Company
2015 – 2016

Software Engineering Intern

- Obtained secret level security clearance. Took special interest in encryption and security.
- Developed verification software for RADAR. Consolidated several C command line tools with UI. Wrote binary file parsing system in C++.

Exergy Controls
2014 – 2016

Hardware & Software Engineer

- Designed/developed web application which controls thousands of light fixtures simultaneously.
- Redesigned and normalized database schema. Created update distribution system.
- Designed firmware for ARM chip, developed new product line for distributing and playing light shows.
- Solely responsible for development of bluetooth android app, direct communication with customer.
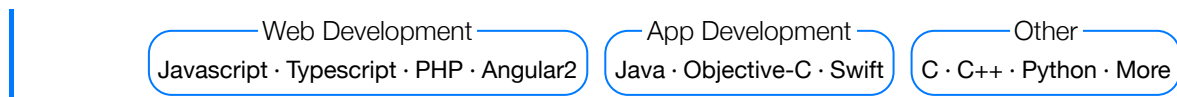
California State University, Long Beach – College of Engineering
2012 – 2014

Computer Tech/Peer Advisor

- Developed programs to generate students' semester schedules, parse transcripts, and analyze performance. Created web app for hundreds of students to make appointment with our advisors.
- Met with students one-on-one to discuss their studies, prospective courses, and future goals.

Technical Skills

Web Development
Javascript · Typescript · PHP · Angular2

App Development
Java · Objective-C · Swift

Other
C · C++ · Python · More

Awards/Involvement

Zeebo Autonomous Submarine
2014 – 2015

- Architected & developed event-based communications/protocol between hardware systems.
- Developed six-degrees-of-freedom motor control algorithm; PWM implemented via hardware timers.
- Prototypal image recognition control system via openCV & nodeJS.

Embedded Applications Technology Society
2012 – 2016

- Hosting weekly meetings, in which responsibilities include planning, speaking, and finding speakers.
- Managing teams involved in projects and national competitions

2012 – 2013	2013 – 2014	2014 – 2015
Webmaster	Vice President	President

UCLA Developer's Contest – First Place
2014

- With a teammate, developed a mobile-first web application for tracking/improving students' study habits.