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EDUCATION

B.S in Software Engineering– GPA 3.67
San Jose State University, San Jose, CA

Graduating Spring 2017

TECHNICAL SKILLS

Languages: Java, C, Python, Swift3, HTML5/CSS3, Javascript, MySQL, Firebase, BASH, Matlab
3D Modeling: Solidworks, OpenSCAD, Blender

PROJECTS

Robotic All-Terrain-Vehicle: Embedded Systems – C *Fall 2016*

- Programming control systems with the dspic33F microcontroller and Intel Edison
- Modeling and printing spider-like auxiliary arms to stabilize the vehicle

SquigBee: Anonymous Location-Based Chat – Swift3 & Firebase *Fall 2016*

- Developing an iOS App with Swift3 and using Firebase for backend.
- Utilizing machine learning to create chat groups for users based on location

Pronet: A Pseudo LinkedIn – Python (Django Web Application) *Fall 2016*

- Deploying web application on an Amazon EC2 and AWS with uWSGI, nginx, and MySQL
- Managing a team of 5 people to develop modules for the application

Deedger: A Dodging Dino Game – Java (Android) *Spring 2016*

- Created design patterns, such as an Abstract factory to spawn Enemies
- Utilized the libGDX java game development framework for the game engine

8x8x8 LED Cube: Applied Linear Algebra Project – C *Spring 2014*

- Displayed a real-life example of an 8x8x8 3D matrix using blue LED's (Arduino)

EXPERIENCE

Software Engineer Intern, Yoshi Inc., *Mobile Gas Delivery Service*, Palo Alto, CA *Summer 2015-2016*

- Assisted in design of patented technology for remote entry to car's gas doors.
- Programmed Social Media automation, IoT sensors, and OBD2 iOS mobile application

Partner, Hunter 3D, Palo Alto, CA *Dec 2014 – Present*

- Actualized prototypes for customers using Solidworks and AutoCAD.
- Modified the miracle.json print-configuration file and printer to extrude NinjaFlex.

Research Assistant, S.E.R.C., HSU, Arcata, CA *Jan 2014 – Aug 2014*

- Contributed to IEC technical specifications for off-grid photovoltaic lighting products

Intern Programmer, Cognisense Labs, Arcata, CA *Summer 2013*

- Collaborated with a team to code a health monitoring system

EXTRA-CURRICULUR ACTIVITIES

HAM Radio Volunteer, Devil Slide Ride Event *Summer 2016*

- Volunteer to help the non-profit Parca by using event communications efforts

SJSU Radio Club, Member *Fall 2014-Present*

SJSU Robotics Club, Member *Fall 2016-Present*

Tau Beta Pi, Member (Top 1/8th of Senior Class) *Fall 2015-Present*

ACADEMIC HONORS AND LEADERSHIP

Dean's scholar (GPA > 3.65) *Spring 2016*
President, Arcata High School Student Body *Fall 2010*

HOBBIES & INTERESTS

3D printing, 3D modeling, Alto Saxophone, Animation, Film History, Game Programming, Guitar, HAM Radio (KM6CRJ)