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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, C++, C#, Python, Swift3, HTML5/CSS3, Javascript, AJS, MySQL, Firebase, BASH, Matlab
Other Skills: Git, Valgrind, Solidworks, OpenSCAD, Blender, 3D printing, Microsoft Suite, Adobe Suite

PROJECTS

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

- Created the first dsPIC33F microcontroller SPI interface for the Pixy CMUcam5 object-r camera.
- Modeled and 3D printing spider-like auxiliary arms to stabilize the vehicle.

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

- Used Apple's CoreLocation's API to retrieve the user's location for finding chat channels.
- Utilized machine learning to create chat groups for users based on location.

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

- Deployed web application on an Amazon EC2 and AWS with uWSGI, nginx, and MySQL.
- Managed 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 and VCS for source control.

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*

- Started a small business and actualized prototypes for customers using Solidworks.
- 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 in C#.

EXTRA-CURRICULUR ACTIVITIES

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

- Volunteer to help the non-profit for event communications effort.

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)