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## **Education**

## **Unversity Of California, San Diego**

La Jolla, CA

B.S. IN COMPUTER SCIENCE, MINOR IN MATHEMATICS. GPA: 3.86/4.00

June 2018

• Provost Honors(all guarters).

### Coursework

- Software Engineering
- Neural Networks
- Image Processing

- Advanced Data Structures
- Design & Analysis of Algorithms
- Computer Architecture

## **Experience**

### **Qualcomm Institute**

La Jolla, CA

RESEARCH PROJECT ASSISTANT

Jan. 2016 - Present

- Establishing the SPPB (Short Physical Performance Battery) data collection framework using RGB camera and dynamic vision sensor.
- Developing algorithms in Matlab to preprocess collected data in order to calculate experiment time span, participants' gait speed and sit-stand cycle time.

#### ANDROID APP DEVELOPMENT: COUPLETONES

La Jolla, CA

TEAM LEADER

Mar. 2016 - Jun. 2016

- Programmed frontend structure and communication framework with backend server
- Implemented user interface functions such as login and map services by integrating Google Play Services API

### **IEEE GRAND PRIEEE PROJECT TEAM**

La Jolla, CA

TEAM MEMBER (SELECTED)

Oct. 2015 - Apr. 2016

- Set up Infrared Light sensor and tested it to ensure proper data receiving during robot car movement.
- Implemented PID control algorithm using C++ for Arduino robot car to automatically recognize and follow the white line on the ground.

### GOPINV.COM, PINV INTERNATIONAL INC. (Start-up company)

La Jolla, CA

CO-FOUNDER AND TECHNICAL OFFICER

Oct. 2015 - Jun. 2016

- Co-founded the company to sell Chinese traditional snacks online and monitored daily the data of orders. shipment and custom service to secure company running.

  • Participated in building the website by adding products, homepage modules and payment solution on the
- website

#### ARDUINO SOCCER TEAM

La Jolla, CA

TEAM LEADER

Mar. 2015 - Jun. 2015

- Led teammates programming with C++ an Arduino robot car to play the role of a goal keeper in the Arduino
- Designed different functions such as "clearing out" and "detect ball" for the goal keeper robot as defensive strategy

# Skills

**Programming Language:** Java, C/C++, Matlab, Python, HTML, CSS, JavaScript

**Software & Tools:** Android Studio, Eclipse, Unix/Linux, JUnit, JIRA, Git, Android ADT, CircleCI