

Bohan Yao

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Education

University Of California, San Diego

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

- Provost Honors(all quarters).

La Jolla, CA

March 2018

Coursework

- Software Engineering
- Neural Networks
- Image Processing
- Advanced Data Structures
- Design & Analysis of Algorithms
- Computer Architecture

Experience

Qualcomm Institute

RESEARCH PROJECT ASSISTANT

La Jolla, CA

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

TEAM LEADER

La Jolla, CA

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 PREEE PROJECT TEAM

TEAM MEMBER (SELECTED)

La Jolla, CA

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)

CO-FOUNDER AND TECHNICAL OFFICER

La Jolla, CA

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

TEAM LEADER

La Jolla, CA

Mar. 2015 - Jun. 2015

- Led teammates programming with C++ an Arduino robot car to play the role of a goal keeper in the Arduino soccer game
- 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, Agile, Unix/Linux, JUnit, JIRA, Git, Android ADT, CircleCI