Bohan **Yao**

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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 quarters).

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 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, Unix/Linux, JUnit, JIRA, Git, Android ADT, CircleCI