

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 and Deep Learning
- 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

AI-MASTER.COM (Start-up company)

CO-FOUNDER AND AI TUTORIAL MATERIAL DEVELOPER

La Jolla, CA

Sept. 2016 - Present

- Constructed tutorial articles about machine learning and deep learning knowledge and skills to help users understand related algorithms and concepts clearly
- Developed machine learning and deep learning projects such as ConvNet for image recognition to help users implement and learn corresponding methods and tricks step by step

IEEE GRAND PRIEEE 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

Amazon

INCOMING SUMMER SOFTWARE DEVELOPMENT INTERN

Seattle, WA

June. 2017 - Sept. 2017

Skills

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

Software & Tools: Android Studio, Eclipse, Agile, Unix/Linux, JUnit, JIRA, Git, AWS, Keras, Tensorflow