黄健楠

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教育经历

南加州大学, Los Angeles, CA   08/2019-06/2021

计算机科学，硕士研究生

伯明翰大学, Birmingham, UK (本科双学位)   09/2017-06/2019

机械工程，工学学士 | 一等荣誉学位, 排名: 9/193| GPA: 4.25/4.25

华中科技大学 (HUST), Hubei, China   09/2015-06/2017

机械工程，工学学士 | GPA: 3.86/4

技能

- **编程语言**: Java (Primary), C++, C
- **数据库**: MongoDB
- **技能**: Techniques & HTML, CSS, React.js, Node.js, AJAX, Linux

项目经验

单页招聘应用，SPA   **2019 秋季**

- 开发了一个单页招聘引用包括登陆注册界面，人员信息界面，和实时聊天交互界面
- 搭建前端页面使用 HTML，CSS，Ract.js，ES6，Webpack，and Antd.js
- 搭建后端使用了 Node.js，Express，MongoDB

工作经历

Huaren House Inc，实习，EI Monte，CA   **12/2019-present**

- 参与前端团队对问答社区的开发与维护
- 搭建前端页面使用 HTML，CSS，React.js，ES6，Webpack
- 维护后台，使用了 React.js，Redux，React-Router

研究项目

基于 Kinect 深度相机的 3 维点云机器人视觉拆卸系统

本科研究员，导师: Prof. Duc Pham & Dr. Yongjin Wang   03/2018- 06/2019

- 建立了可以识别零件并确定目标零件位置的视觉系统
- 将零件用深度相机制作成点云模板，保存在机器人的原点坐标上
- 扫描工作台上的零件并且运用迭代最近法将目标点云与模板点云进行匹配，获得目标点云的姿态坐标，机器人最终将根据姿态坐标进行零件的拆卸

获奖

- Professor Bakhtar Memorial Prize   2017/2018
- 25% Tuition Fee Remission   2017
- Merit-Based Scholarship of HUST   2016

JIANNAN HUANG

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EDUCATION

University of Southern California   *August 2019 - Present*
Master in Computer Science

University of Birmingham   *September 2017 - June 2019*
Bachelor of Mechanical Engineering.   *GPA: 4.25/4.25 Rank: 9/193*

Huazhong University of Science Technology   *September 2015 - June 2019*
Bachelor of Mechanical Engineering.   *GPA: 3.86/4.0*

SKILLS

Programming Language	JAVA, JavaScript, C++, C
Techniques	HTML, CSS, React.js, Node.js, AJAX, Linux
Database	MongoDB

PROJECTS

Single page recruitment web application, SPA   FALL 2019

· Developed a recruitment single page application including user registration/ login, employee/ employer list, and a live chat module
· Built front-end page using HTML, CSS, Ract.js, ES6, Webpack, and Antd.js
· Implemented back end communication by Node.JS, Express, MongoDB

WORK EXPERIENCE

Huaren House Inc   12/2019-present
Intern, El Monte, CA

· Worked in a Front-end Team. Developed and maintained a QA website project.
· Built front-end page using HTML, CSS, Ract.js, ES6, Webpack
· Implemented back end communication by React, Redux, React-Router

RESEARCH PROJECT

A Kinect-Based 3D Vision System for Robotic Disassembly   03/2018- 06/2019
Undergraduate Research, Advisor: Prof. Duc Pham Dr. Yongjin Wang

· Built a vision system which could recognize the work part and locate the position of the project
· Create a point cloud template with the depth camera and save it on the origin coordinates of the robot
· The parts on the workbench are matched with the target point cloud and the template point cloud using the iterative nearest method to obtain the pose of the target point cloud.
· The robot will finally disassemble the part according to the posture coordinate