

Michael(Zichun) Lin

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Experience

Software Engineer

July 2016 - Present

YY Inc - Guangzhou, China

- Optimized the existing code for MongoDB and increased the efficiency by at least 10% at Jiaoyou Project.
- Developed scripts with Bazel to automate and increase efficiency of build process.
- Supported QA engineers in testing and debugging new release.

Projects

vfree.org

2016 - Present

Django, Python

Co-funder of vfree.org, provide free open source technology to the world and encourage people to contribute to open source community. Implement Django, provide Git service, cloud storage, and Wiki page. More features are still under developing.

2048 Embedded Edition

2015

Arduino, C, C++

Implement one of the most popular mobile game on Arduino. This project uses a TFT screen to display and allows the user to interact with a joystick.

Autonomous ModuleBot

2014 - 2015

OpenCV, Arduino, Android, C, C++, Java

An autonomous snake robot that has multiple gait implementation and face detection that is used for search and rescue missions. The camera output is sent to an Android application. While working on this project, I mainly worked with the code that implements different gaits and communicated with the team to implement the robot with Android application and camera at the same time.

Quadrator

2014 - 2015

ROS, Linux, SLAM, C, C++

Leading the Robot Club in a team of 5 developed an autonomous robotic system that uses a Kinect to scan a 3D model of its surrounding in real-time and wirelessly transmit it to the base station. The project is accomplished with the well-organized collaboration between team members, without our partnership, we would not get the work done.

Skills

Programming Language: C/C++; Python; HTML; CSS; Javascript

Database: MongoDB; SQL

Others: Git; Linux(CentOS & Ubuntu); macOS; Django; Protobuf; UE4; Cocos2d-x;

Education

BSc Honors, Computing Science

September 2015 - Present

University of Alberta

Volunteers

Teacher Assistant

June 2012 - August 2012

Guangya School

Volunteer as a TA in Countryside Teacher project at Guangya School. Countryside Teacher Project: working with volunteer English speaker from all over the world to help English teacher from the northwest territories in China, specifically Sichuan area, improve their teaching technique, English knowledge, etc.