MICHAEL(ZICHUN) LIN
SOFTWARE DEVELOPER

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Profile

Have experiences from working on Arduino, Linux server, and robotic related projects. Current first year undergraduate student at University of Alberta, major in Computing Science with Honor.

Personal website: michaellin.me

Linkedlin: ca.linkedin.com/in/michaellinlzc

Github: github.com/ExiaSR

Projects

Maze
Python, Graph Theory   **2016**

Maze is a game written in Python with the implementation of Graph Theory, including Depth-first search, etc.

2048 Embedded Edition
C++, C, Arduino   **2015**

A embedded version of one of the most popular mobile game for Arduino.

Quadrator
C++, ROS, Linux, SLAM   **2014-2015**

This autonomous robotic system uses a Kinect to scan a 3D model of its surrounding in read-time and wirelessly transmit it to the base station.

Autonomous ModuleBot
C++, C, OpenCV, Arduino, Java, Android   **2014-2015**

This autonomous snake robot has multiply gait implementation and face detection that is used for search& rescue missions. The camera output is sent to an Android application.

Technical

HTML	CSS	C/C++
Python	Django	PHP
Git	Linux/Unix	OS X

Experience

Guangya School — Chengdu, Sichuan, China
Linux Server Admin   **2014-2015**

Server maintaince, including Moodle, cloud storgae, web server, etc. Also provide VPN service from an oversea VPS to the school.

Education

University of Alberta — Edmonton, AB, Canada
BSc with honors, Computing Science   **2015-Present**