

JiaWei Lee

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Software engineer with 2 years experience in Turing-Drive, dedicated to researching path planning and GNSS positioning, the main programming languages is C++, C, Python

Education

National Yunlin University of Science and Technology

Department of Electrical Engineering

- Mobile robot, Robot Operating system(ros)

Yunlin, Taiwan

Sep. 2017 – Jun 2019

LatexNational Formosa University

Department of Electrical Engineering

Yunlin, Taiwan

Sep. 2015 – Jun 2017

Professional Experience

Turing Drive Inc(C++/C, Python, ROS, Shell, Linux, Path Planning, GNSS)

Software Engineer

Taipei, Taiwan

Nov 2019 – Present

- Optimized the path planning algorithm and the integrated obstacle information in the Autoware system, execution speed is more than 50 % faster, total mileage exceeds 5,000 km, and over 4,000 people have been onboard
- Designed and implemented NMEA parser and NTRIP Caster available to the projects positioning system
- Designed and implemented data log to path planning system, used for algorithm debug
- Developed a through 2D LiDAR detection person leg and 3D LiDAR camera fusion

Selected Projects & Awards

Smart trash can(C++/C, ROS, Navigation Stack, SLAM, Opencv, PCL)

Sep 2017 – May 2019

- Developed a Minecraft server plugin to entertain kids during free time for a previous job
- Published plugin to websites gaining 2K+ downloads and an average 4.5/5-star review
- Implemented continuous delivery using TravisCI to build the plugin upon new a release
- Collaborated with Minecraft server administrators to suggest features and get feedback about the plugin

Skills

Languages: C/C++, Python, Shell scrip

Frameworks: ROS, ROS2

Developer Tools: Git, Docker, VS Code, Vim, Cmake,

Libraries: Eigen, PCL, Opencv, Pandas, NumPy, Matplotlib