Hsin-Wu (John) Liu

SOFTWARE ENGINEER

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"Stay Hungry, Stay Foolish."

Summary

I'm a software engineer in a start-up company MedicusTek Inc. Having a M.S. degree in mechanical engineering makes me see things differently. Being a Linux and Vim enthusiast for 5+ years, I am familiar with all sort of administration and development tools and techniques on Linux. Huge believer of **KISS** and **CLEAN** principles, and believes that codes will only work if they have been tested. Loves to dive into challenging problems and find out the root cause, and willing to study and learn new technologies or skills if they could help.

Work Experience

MedicusTek Inc.   *Taipei, Taiwan*

SOFTWARE ENGINEER   *Dec. 2015 - PRESENT*

- Designing and implementing an IoT gateway to communicate and monitor multiple IoT devices with Bluetooth.
- Designing the data model and some data transformation algorithm in Python.
- Designing and Implementing services on Linux backend system which receives data from multiple IoT devices and using ZeroMQ to communicate with other services.
- Designing and implementing a backup and data storage backend system on Linux.

Education

NYUST(National Yunlin University of Science and Technology)   *Yunlin, Taiwan*

M.S. IN MECHANICAL ENGINEERING   *Sept. 2012 - Sept. 2014*

- System Control and Measurement Lab.

Writing

Autonomous Navigation of UGV Based on AHRS, GPS and LiDAR   *Master Thesis*

AUTHOR   *Sept. 2014*

- Implementing UGV navigation algorithm on Embedded Linux

Intro to Rust   *Github*

AUTHOR   *Dec. 2016*

- A slide for introducing the *Rust programming language* to colleagues