Yoon Seo-young (尹 瑞 英)

Gyeonggi-do, Republic of Korea

Career

UBIWORKS Co., Ltd Feb. 2020 ~ NOW

5G Mobile Communication Module Development / Xilinx chip design using VHDL, Verilog

Education History

Korea Polytechnic Univ. March 2017 ~ Feb 2019

Master of Science in Advanced Convergence Technology, GPA 4.14/4.5

3D Combined Flight Path Algorithm for UAV Considering Turning and Elevation

Korea Polytechnic Univ. March 2013 ~ Feb 2017

Bachelor of Science in Electronic Engineering, GPA 3.4/4.5

Projects

Development of 3D flight path planning algorithm for UAV. Jun 2018 ~ Jan 2019

- Development of GUI-based 3D path planning program using MATLAB
- Study of the optimal path planning algorithm for UAV mission using TSP Algorithm, Bezier Curve

Android application development for fish farm management. Aug 2015 ~ Nov 2015

- Android application has been developed that can monitor water quality sensor information using Bluetooth communication

Snatch Colors! Game (made with embedded Linux). Oct 2016 ~ Nov 2016

- Presses random colors shown on touch LCD in order within a limited time
- Design and place Makefile and various Linux device drivers in ARM Cortex-A9

Technical Skills

Programming	C, C++, MFC	ADVANCED
	python	INTERMEDIATE
	MATLAB	INTERMEDIATE
	JAVA (Android)	INTERMEDIATE
	Linux device driver (Ubuntu)	BEGINNER
Language	English OPIC IL, Sep 2019	INTERMEDIATE
	Japanese	ADVANCED

Achievements

SECOND PLACE in The 4th DOWA RGC National Robot Festival, Oct. 2013