Woobin **Jin**

☎ (+82) 10-4164-0305 | ✉ jwb0904@naver.com | 🐙 andyworkingholiday

"Today's special moments are tomorrow's memories."

Education

Kyunghee University   *Mar. 2015 - Feb. 2021*

SENIOR STUDENT MAJOR IN ELECTRIC ENGINEERING, MINOR IN COMPUTER SCIENCE   *Yongin, S.Korea*

- Major GPA of 3.72 / 4.5, Total GPA of 3.69 /4.5
- Bachelor's Thesis : Active Noise Cancelling System Using LMS Algorithm and Cross-Correlation

Internships

Regional ICT Convergence Research Lab of ETRI   *Pangyo, S.Korea*

SUMMER RESEARCH INTERN   *Jul. 2020 - Aug. 2020*

- Designed 'Transfer Learning' Program Based on CNN Using Keras and Tensorflow
- Developed Data Mining Tool of Machine Learning Smart Factory Framework With CubicTek
- Tried to build Autonomous Driving Robot Using Jetson-Nano Board and RealSense Depth Camera(D435)
- Trained and evaluated model predicting machine fault using Deep Learning
- Studied Arima model and 1D CNN for Predictive Maintenance System

Media Lab of College Electronics in Kyunghee Univ.   *Yongin, S.Korea*

UNDERGRADUATE RESEARCHER   *Sep. 2019 - Feb. 2020*

- Researched FFT Algorithm for Digital Signal Processing and implemented the Code with C++
- Simulated Optimization Algorithm(AdaGrad, Adam) using Python modules like matplotlib, scikit learn

Project Experience

2020 Hanium Competition   *Seoul, S.Korea*

TEAM LEADER, GIT MASTER   *Mar. 2020 - Now*

- Building a Rule-based Autonomous Driving Escort Robots using ROS-melodic Platform
- Calculated the Optimized Path comparing A* algorithms and Dijkstra algorithm
- Hardware: LIDAR, SR04, IMU Sensors and Raspberry Pi, OpenCR, TurtleBot, Actuator(Dynamixel)
- Software: C++, OpenCV for Robot driving and built GUI Application with Qt Designer
- All the development was done on Ubuntu 18.04

2019 KHLUG Hackathon   *Yongin, S.Korea*

MEMBER   *Jul. 2019*

- Developed Roomate finding Service with Ruby on Rails, Html, Css
- Used Django for Backend Programming

Extracurricular Activity

Andyworkingholiday(RnB Group)   *Seoul, S.Korea*

PRODUCER & COMPOSER   *Sep. 2016 - Now*

- 1st Single : 'Saturn' (2016.09)
- 2st Single : 'The Girl' (2017.09)
- 1st Ep : 'B02' (2018.10)

Skills

Languages: C/C++, Python, Verilog, Ruby, HTML/CSS
Software Frameworks: Tensorflow, Keras, Flask, Django, FastAPI
Simulator: Matlab, HSpice, LTSpice, ModelSim
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm
Data Analysis: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn

Language Proficiency

Fluent in English, Native in Korean

- TOEIC SPEAKING Level 7 (160)