



Jaewoo Jung

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Address

Seoul, Republic of Korea

Jaewoo Jung

University Student

Education

2013 - 2015, Changwon Science High School

Chemistry

2015 - present, Yonsei University

Electrical and Electronic Engineering

Experience

Mar 2017 - Dec 2017, Research Engineer, Luxrobo

Detailed achievements:

- Network Module Firmware
 - C/C++
 - FreeRTOS
 - Wi-Fi
 - BLE
 - USART
- OS Development
 - RTOS research
 - Contiki OS
- Bluetooth 5
 - Nordic nRF52DK
 - Mesh Network
- NLP
 - Chatscript
 - Slack-Chatscript Linkage(Python)

Dec 2016 - Mar 2017, Internship, Biological Cybernetics Laboratory in Yonsei University

Detailed achievements:

- Swarm robotics
 - Hardware
 - * FreeRTOS
 - * Wi-Fi
 - * Bluetooth
 - * Vibration Control
 - Software
 - * Formation
 - * Shepharding
 - * Task Allocation
 - * Charging system

Jan 2017 - Dec 2017, President, SBTM

Robot club in Yonsei University

Jan 2019 - Present, Internship, Optical Imaging Systems Laboratory in Yonsei University

Detailed achievements:

- Human-Biology Interaction
 - Biotic Games



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Software Development Skills

Programming

- C/C++
- Python
- MATLAB

Computer Software

- LaTeX
- Eagle CAD
- Git

Competitions

2013, *Student Science Invention Competition*, GNSE

Easy Bookbinding Tape Cutter

2013, *Student Creativity Festival*, GNE

Between Ventilation and Insulation

2013, *Embedded Software Contest*, KESSIA

Minesweeper Robot using LEGO Mindstorm

Hardware Engineer

2013, *R&E Festival*, KOSAF

Develop Filters made from ESM's Toxic substances Absorptive Ability

2014, *Student Science Invention Competition*, GNSE

Mono/Stereo Earphone

2014, *ISEF-K*, KOFAC

Study on Gas phase Adsorption of Toxic substances on ES, ESM and Filter

2014, *Science Exhibition*, GNSE

Measuring Chemical reaction rate using Smartphone

2014, *Steam R&E Festival*, KOFAC

Smartphone Application for Chemistry Experiment

2016, *Smart Model Car Competition*, Hanyang University

Autonomous driving Model Car

Hardware Team

2016, *Korea Robot Aircraft Competition*, KAIA

Autonomous driving Quadcopter

Team Leader, Hardware Engineer

2017, *Smart Model Car Competition*, Hanyang University

Autonomous driving Model Car

Team Leader, Hardware Engineer

2018, *International Student Car Competition*, KTSA

Autonomous driving Cart

LIDAR Team



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Publications

2018, *Swarm Robots Using Vibration Motor Control*, ICROS

Plays

2015, *Quadcopter*

2015, *Guitar Effector*

2016, *Humanoid(KHR-1)*

2016, *LED cube(8×8×8)*

2016, *Robot Soccer*

2018, *Localization using multiple Gyroscope*

Interests

Professional

NAS, Management, Forensic, Security

Personal

Bass guitar, Reading, Tea