



Jaewoo Jung

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<https://lukael.kr>

Address

Seoul, Republic of Korea

Jaewoo Jung

University Student

Education

2015 - Present, Yonsei University

Electrical and Electronic Engineering

2013 - 2015, Changwon Science High School

Chemistry

Experience

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

Detailed achievements:

- Human-Biology Interaction
 - Biotic Games
- Microscopy
 - Digital In-line Holography

Dec 2016 - Dec 2018, Internship, Biological Cybernetics Laboratory in Yonsei University

Detailed achievements:

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

Mar 2017 - Dec 2017, Research Engineer, Luxrobo

Detailed achievements:

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

Jan 2017 - Dec 2017, President, SBTM

Robot club in Yonsei University



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Software Development Skills

Programming

- C/C++
- Python
- MATLAB

Computer Software

- LaTeX
- Eagle CAD
- Git

Competitions

2019, Undergraduate Research Program, KOFAC

High speed lensless camera for microsaccades measurement

2019, International Student Car Competition, KTSA

Autonomous driving Cart

2018, International Student Car Competition, KTSA

Autonomous driving Cart

LIDAR Team

2017, Smart Model Car Competition, Hanyang University

Autonomous driving Model Car

Team Leader, Hardware Engineer

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

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

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



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Publications

2018, *Various Swarm Behavior Inspired by Nature Using Vibration Locomotion Robots*, Capstone Design

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

Plays

2019, *Core-XY Autonomous Chess board*

2018, *Localization using multiple Gyroscope*

2016, *Humanoid(KHR-1)*

2016, *LED cube(8×8×8)*

2016, *Robot Soccer*

2015, *Quadcopter*

2015, *Guitar Effector*

Interests

Professional

NAS, Management, Forensic, Security

Personal

Bass guitar, Reading, Tea