

Hyungseop Yu

Curriculum Vitae

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PERSONAL DATA

Affiliation Chonnam National University

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EDUCATION

Mar. 2016 ~ Feb. 2019 **Damyang High School, Republic of Korea**
(SUMMA CUM LAUDE)

Mar. 2020 ~ **Chonnam National University, Republic of Korea**
Present B.S. in Electrical Engineering(Major)
Electronic Engineering (Minor)
Cumulative GPA: 3.83/4.5

RESEARCH INTEREST

- **Control System**
- **Nonlinear Control Theory**
- **Automatic control**
- **Robotics**

RESEARCH EXPERIENCES

- **Programming or Software Skills** : C / Python / MATLAB / Simulink / Arduino
- **Embedded Control System Lab** - Prof. Young woo, Lee (Oct. 2022 ~ , Undergraduate student researcher)
PID controller, State feedback, State Observer, Automatic control
Robot Manipulator, Time Delay Control, Disturbance Observer, Nonlinear control, System Analysis, Optimal control
Reference Modulation
- **Capstone Design Team Project**(Vehicle platooning, Arduino, Team leader)
- **Microprocessor Team Project**(Digital doorlock)
- **Electric Power IoT & Sensor Engineering Team Project**(Arduino)

AWARDS AND HONORS

2020 -2023	Grade Scholarship in Electrical Engineering, CNU
2021	Scholarship & Commendation, Gwangju-Chonnam Local Innovation Platform
2021 -2022	Electric Company Scholarship, Korea Electrical Contractors Association(KECA)
2022	Grade Scholarship, Gwangju Buk-gu Office
2022	Challenge Scholarship, CNU
2023	Electrical Engineering Scholarship, KEPSCO

EXTRA-CURRICULAR ACTIVITIES

(Oct. 2020 ~ Dec. 2022)

Mathematics Teacher in Private Institute.

(Sep. 2021 ~ Nov.2021)

CNU Energy+AI Education Program.

(Sep. 2021 ~ Mar. 2022)

Engineering School Mentoring Program.

(Oct. 2021 ~ Jan. 2022)

Energy Transition College Student Academy.

(Feb. 2022)

105 ROTC Basic Military Training.

(Nov. 2021~May.2022)

Hyundai NGV Campus Courses(EV/HEV/PHEV/New Energy Car/Motor).

(Jun.2022)

DB Business Management School.

(Jan. 2023)

Experiential and Cultural Program in University of Nevada, Las Vegas (4 week, dept of E.C.E.).

(Feb. 2023)

DYROS Robotics Boot Camp in Seoul National University.
