

Hyungseop Yu

Curriculum Vitae

Last updated : Jun. 2023

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 Project**(Digital Doorlock)
- **Electric Power IoT & Sensor Engineering Project**(Emergency Alarm Helmet, 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

2022 Overseas Training Scholarship, College of Engineering

2023 Electrical Engineering Scholarship, KEPCO

EXTRA-CURRICULAR ACTIVITIES

(Oct. 2020 ~ Dec. 2022)

Mathematics Teacher in Private Institute.

(Sep. 2021 ~ Nov. 2021)

CNU Energy+AI Education Program.

(Sep. 2021 ~ Dec. 2021)

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.

(Jun. 2023)

Parameter Approach: Robust Control Short-term Course, CDSL in Seoul National University .
