

Hyungseop Yu

Curriculum Vitae

Last updated : Jul. 2023

PERSONAL DATA

Birth 7th, Jul, 2000, in Republic of Korea

Nationality Korean

Affiliation **Chonnam National University**
Yongbong-ro, Buk-Gu
Gwangju, Republic of Korea

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EDUCATION

Mar. 2020 **Chonnam National University, Republic of Korea**
~ Present B.S. in Electrical Engineering(Major)
Electronic Engineering (Minor)
Cumulative GPA: 3.88/4.5 (140 credits.)

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

RESEARCH INTEREST

- **Control System**
- **Automatic control**
- **Nonlinear Control Theory**
- **Robust and Optimal Control**
- **Robotics**

RESEARCH EXPERIENCES

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

AWARDS AND HONORS

2020 -2022	Grade Scholarship in Electrical Engineering, CNU
2021	Scholarship & Commendation, Gwangju-Jeonnang Regional 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 Program Scholarship, College of Engineering
2023	Electrical Engineering Scholarship, KEPCO
2023	Encouragement Award, Gwangju LINC 3.0 Center Sharing&Collaboration Capstone Design Contest

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(BIXPO 2021)

(Oct. 2021 ~ Jan. 2022)

Energy Transition College Student Academy and Living Lab(Photovoltaics).

(Feb. 2022)

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 (Dept of E.C.E., CES 2023).

(Feb. 2023)

Robotics Boot Camp 2, DYROS in Seoul National University.

(Jun. 2023)

“Robust Control : Parametric Approach” Short-term Course, CDSL in Seoul National University.

(Jul. 2023, In Progress)

MATLAB College Student AI Contest.

(Jul. 2023 ~ Aug. 2023, In Progress)

“Writing in the Sciences” Coursera Online Class, Stanford University.

(Aug. 2023, In Progress)

CNU LINC 3.0 Center Capstone Design Contest.

(Aug. 2023, In Progress)

CNU Portfolio Contest.
