Yongseok Kwon

📍 1839 Shirley Ln., Ann Arbor, MI 48105

📞 (+1) 734-882-9135 · ✉ kwonys@umich.edu · 🌐 https://kwonyos.github.io

EDUCATION

University of Michigan, Ann Arbor, MI
M.S.E in Mechanical Engineering   Aug. 2020 − Present

Ulsan National Institute of Science and Technology (UNIST), Ulsan, Republic of Korea
B.S. in Mechanical and Aerospace Engineering, Human Factors Engineering   Mar. 2016 − Feb. 2020
  - Honors: *Summa Cum Laude*
  - Thesis: *Decoupling Mechanism for Tendon-Driven Robot Leg*

University of California, Irvine, CA
Exchange Student in Mechanical and Aerospace Engineering   Jun. 2018 − Aug. 2018

RESEARCH EXPERIENCE

Bio-Robotics and Control (BiRC) Lab, UNIST   Mar. 2019 − Jul. 2019
Research Intern   Advisor: Prof.Joonbum Bae
  - Assisted cooperative robot in tendon-driven system project
  - Dealt with components of hydraulic robot; manipulated electric circuit, assembled parts, and examined encoder

TEACHING EXPERIENCE

Teaching Assistant on Cognitive Science, UNIST   Spring 2018, Fall 2018
  - Graded quizzes, helped write exams, and contributed to curriculum design

HONORS & AWARDS

National Science and Engineering Scholarship, Korea Student Aid Foundation (KOSAF)   2018 − 2019
  - *Full-tuition scholarship for the last two years of undergraduate studies*

Overseas Studies Scholarship, UNIST   2018
  - *Received $4,200 as a financial support for a summer session at UC Irvine*

Academic Performance Scholarship, UNIST   2016 − 2017
  - *Full-tution scholarship for the first two years of undergraduate studies*

SKILLS

Programming	MATLAB & Simulink, Python, C++, LabView, JavaScript
Software	CATIA, SolidWorks, ANSYS, 3DSSPP
Others	HTML, CSS, LaTeX

TECHNICAL COURSES

ME related Linear System Theory, Intermediate Dynamics, Solid Mechanics, Thermodynamics, Fluid Mechanics, Dynamics, Mechanical Drawing & Lab, Heat Transfer, Dynamic Systems & Control, Manufacturing Processes & Lab, Intro. to Electric-Electronic Engineering, Vibration, Intro. to Robotics, Numerical Analysis, Mechanical Engineering Lab , Machine Element Design, UAV Flight Control & Simulation, Intro. to Finite Element Method, Intro. to MEMS

Ergonomics related Science of Human Behavior, Cognitive Science, Color Science & Engineering, Physical Ergonomics, Brain & Human Behavior - Common to Humans, Sensation & Perception, Decision making & the Brain, Safety Engineering

Math and CS related Machine Learning, Math for Robotics, Calculus, Differential Equations, Applied Linear Algebra, Engineering Programming I, Intro. to AI Programming II,

REFERENCES

Dr. Joonbum Bae	**Dr. Hyondong Oh**	**Dr. James Bobrow**
Associate Professor of Mechanical	Associate Professor of Mechanical	Emeritus Professor of Mechanical
and Aerospace Engineering, UNIST	and Aerospace Engineering, UNIST	and Aerospace Engineering, UC Irvine
Email jbbae@unist.ac.kr	**Email** h.oh@unist.ac.kr	**Email** jebobrow@uci.edu
Tel (+82) 52-217-2335	**Tel** (+82) 52-217-3048	