Jihoon Yun

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Research interest

Robotics control
Bio-inspired Mechanism
Origami-inspired Mechanism

Education

Seoul National University *Feb 2021 – Present*
B.S., Mechanical Engineering
B.S., Electrical and Computer Engineering
B.S., Computer Science and Engineering
- Current GPA: 4.06/4.3, Major GPA 4.3/4.3

Daegu Science High School *Mar 2018 – Feb 2021*
Admitted through Excellence Admission program for outstanding students

Research Experience

Seoul National University

- Robotics Laboratory
  - Undergraduate Researcher(Advisor: Prof. Frank Chongwoo Park) *Jan 2025 – Present*
  - Designed throwing robot system
- Biorobotics Laboratory
  - Undergraduate Researcher(Advisor: Prof. Kyu-Jin Cho) *Nov 2021 – Mar 2022*
  - Designed, fabricated and analyzed a Large-scale Deployable Structure with High Load-bearing Capability

Daegu Science High School

- Hanwha Science Challenge
  - Development of a Hydroelectric Turbine Using a Möbius Kaleidocycle
  - Theoretical Modeling and Analysis of the Rotating Hurricane Ball
- Korean Young Physicists' Tournament
  - Analyzed the Descent Phenomenon of Air Bubbles in Vibrating Fluids
- Korea National Science Exhibition
  - A fluid dynamic analysis of the sound from the oscillation of Air Bubbles in the Incidence of Liquid Stream
- Self-Directed Research
  - Remote Perforation of Black Polyethylene Films by a LAser Beam

Scholarships

Presidential Science Scholarship , Korea Student Aid Foundation, 2021
Freshman Academic Excellence Scholarship , Seoul National University, 2021

Technologies

Programming: C, Python, Mathematica, Matlab

CAD/Simulation: Fusion360, COMSOL Multiphysics