

RESEARCH INTEREST

- **Artificial Intelligence**
Focused on deep learning, data processing, and reinforcement learning with applications in flight data analysis.
- **Aviation Electronics**
Specialized in navigation systems, flight control systems, and AI-based autopilot technologies.
- **Robotics**
Investigating the mechanisms of aircraft and the integration of electronic software into aircraft systems.

EDUCATION

- **Yonsei University** Seoul, Korea
B.S. in Dept. of Artificial Intelligence; GPA: 4.23/4.3(Top 4% in Dept. of A.I.) Mar. 2023 - Current
- **Korea University** Seoul, Korea
B.S. in Division of Life Science (Completed coursework in ‘Genetics’, ‘Physiology’) Mar. 2021 - Dec. 2022

AWARDS

- **2024: Finalist**, KOREN Net Challenge Season 11(Selected as one of Final 10 teams)
- **2024: High Honor**, Yonsei University Dept. of Artificial Intelligence (Top 3% GPA)
- **2023: 3rd Place**, 2023 Yonsei-Nexon RC Creative Platform (Placed 3rd out of 100 teams)
- **2023: High Honor**, Yonsei University College of Computing (Top 3% GPA)

EXPERIENCE

- **Yonsei Computing Club** Sep 2024 - Present
Club Member
 - **Study Group:** Member of ‘Python Algorithm’ study group. Studying various Data Structure and Algorithm.
- **Club CREAT+IT** Mar 2024 - Aug 2024
Team ‘DivU’ member
 - **Database Development:** Constructing Database of Attraction in Seoul.
 - **App Development:** Developing an App that provides attraction information according to the user’s location.

PROJECTS

- **KOREN Net Challenge Season 11** Jul 2024 - Present
Team ‘SkyGuardians’ Leader
 - **Role:** Leader of the Team ‘SkyGuardians’ working on a project of Drone Traffic Control System for Collision Avoidance
 - **Ardupilot:** Getting Drone information (ex. location, altitude, speed, battery) from the Ardupilot Simulator using Python Script and ‘Dronekit’ tool.
 - **Collision Avoidance Program:** Program that sets the departure time of each drone according to the drone’s path and collision probability.
- **2023 Yonsei-Nexon RC Creative Platform** Mar 2023 - Dec 2023
Team ‘Creative Ohgamja’ leader
 - **Role:** Leader of team ‘Creative Ohgamja’ working on ‘Movie Screening System’ for hearing impaired. Idea proposal and Development.
 - **Real-World Model:** Creating Real-World Model using beam projector and Silver Screen.
 - **Mathematical Calculation:** Calculating the angles between two beam projectors for appropriate Movie screening.

PROGRAMMING SKILLS

- **Languages:** Python, C, C++ **Technologies:** ArduPilot(Mission Planner)