

Seungseok OH

+82 10-7164-3848 | oxcarxierra@gmail.com | oxcarxierra.com

 [Seungseok OH](#) |  [oxcarxierra](#)

Seoul, Korea


RESEARCH INTERESTS

- Urban Air Mobility, Unmanned Air Vehicles
- Autonomous Systems, Robotics


EDUCATION

- **Seoul National University** Mar 2019 - Current
B.S. in Mechanical Engineering Seoul, Korea
 - GPA: 3.86/4.30 (Major GPA: 3.89/4.30)
 - Selective coursework: *Introduction to Robotics, Autonomous System Motion Planning and Decision Making, Machine Learning for Mechanical Engineering, Aerodynamics*
- **Seoul Science High School** Mar 2016 - Feb 2019
High school for gifted students in science and mathematics Seoul, Korea
 - GPA: 4.18/4.30

EXPERIENCE

- **Sequor Robotics Inc.**  Oct 2023 - Current
Software & AI Engineer Seoul, Korea
 - Designed and implemented the end-to-end perception, decision, and control pipeline for an indoor autonomous mobile robot (AMR) platform
 - Researched 3D reconstruction and semantic occupancy prediction using LiDAR and camera integration
 - Conducted business development and proof-of-concept (PoC) projects with external partners
- **KATUSA (Korean Augmentation to the U.S. Army), Republic of Korea Army** Dec 2021 - Jun 2023
Sergeant, Unit Supply Specialist (92Y) & Senior KATUSA Dongducheon, Korea
 - Performed interpretation and liaison duties, collaborated with U.S. Army soldiers and officers
 - Appointed as Senior KATUSA for showing leadership and integrity
 - Fulfilled 1 year and 6 months of mandatory military service
- **Friggs Healthcare Co., Ltd.** Feb 2021 - Oct 2021
Front-End Engineer Seoul, Korea
 - Developed a child development and healthcare solution application, <Doctor I>
 - Experienced in raising seed funding and overall DevOps



HONORS AND AWARDS

- **Minister of Science and ICT Award (1st place)** Dec 2022
Military OpenSW Online Hackathon, Republic of Korea Army 
 - Developed AI-powered barracks incident prediction and prevention application <TAPA>
 - Collaborated on project online with soldiers from other divisions
- **Excellence Award** Nov 2020
Red Creators, Kia Motors
 - Conducted analysis of the post-pandemic automotive mobility market and produced a video presentation
- **Presidential Science Scholarship** Mar 2019
Korea Student Aid Foundation
 - 4-year tuition and stipends (\$4000 × 8), 120 undergraduates selected nationwide

SKILLS

- **Robot Operating System (ROS)**
- **Development Skills:** React, React-Native, Next.js, Django, SQL, AWS
- **Programming:** Python, C++, JavaScript, Typescript, MATLAB, \LaTeX
- **CAD / Simulations:** Solidworks, Fusion 360, Blender
- **Other tools:** Github, Linux, Pytorch
- **Languages:** Korean (Native), English (Fluent, TOEIC 930)

ACTIVITIES AND SOCIETIES

- **Young Engineer's Honors Society (YEHS), National Academy of Engineering of Korea** *Dec 2023 - Current*
Deputy Department Head, Academic Exchange Dpt. 
 - Attended the 254st NAEK Forum on Jan. 2021 as a member of the YEHS
 - Organized engineering-related seminars and participated in community service activities
- **Run To You : SNU Baja & Formula SAE Team** *Mar 2019 - Jun 2021*
Driver & Deputy Team Leader 
 - KSAE participation as a Baja driver and deputy team leader
 - Led the entire process of vehicle design and development
- **President of 28th Student Council** *Jul 2017 - Jul 2018*
Seoul Science High School

VOLUNTEER EXPERIENCE

- **Mentor of Dream Camp** *Aug 2020*
Dream Consultant *Cheongju, Korea*

ADDITIONAL INFORMATION

Interests: Read & Writing, Playing Basketball