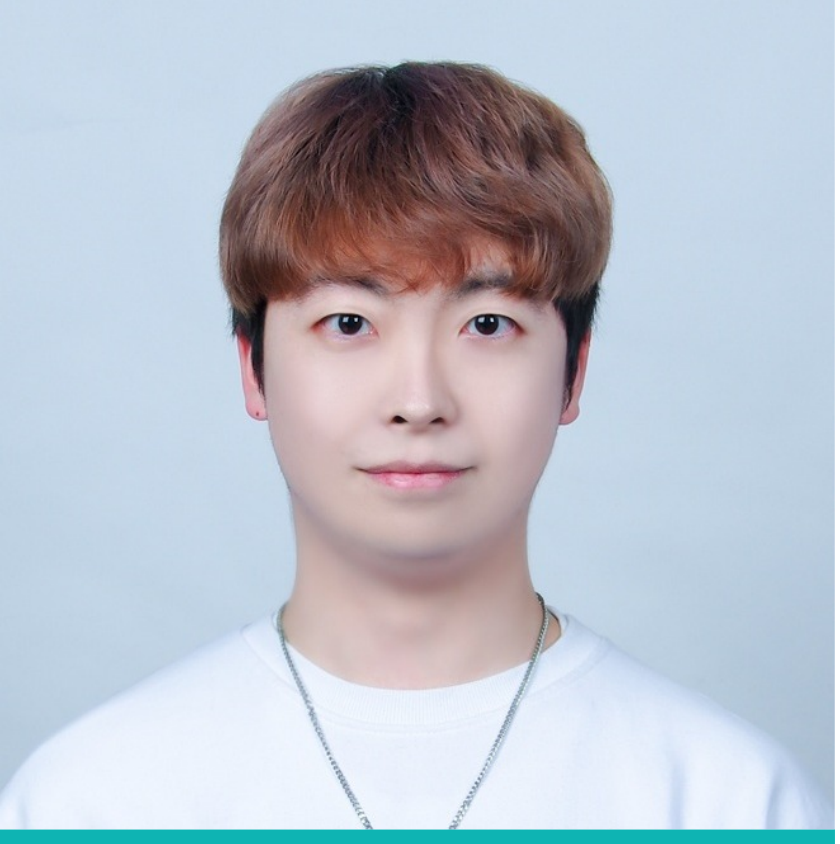


Jaehong Oh

Engineer

CONTACT

jaehongoh1554@gmail.com

+82 010-4760-0682

Gyeongin-ro 662, Guro-gu 08209 Seoul, Korea, Republic of

DRIVER'S LICENCES

- B

SKILLS

- Structural mechanics
- Vehicle Mechanics
- Mechanical Structural Engineering
- Robotics Engineering
- Robot Programming
- MS Office Suite

SUMMARY

Hello, my name is Jaehong Oh. I am currently studying Mechanical Engineering at Soongsil University. Throughout my studies, I have gained both theoretical and practical experience through research projects and active participation in the Aerospace Society. As a research assistant in the Fluid Mechanics Lab, I further developed my expertise in this field.

My academic interests include automatic control, mechatronics, and robotics. I strengthened my robotics skills by earning a high-level CAD certification and completing a robotics training program by Doosan Robotics, where I gained hands-on experience with real robots, ROS, and Python-based control. I am also preparing for certification as a Mechanical Engineer.

I have strong programming skills in C, Python, and MATLAB, which allow me to model and solve complex engineering problems effectively. I am currently seeking opportunities where I can apply my skills, grow as an engineer, and contribute to innovation and technological advancement.

WORK EXPERIENCE

Team Leader 01/2023 - 01/2024

Aerospace Society 'Chungeumbi' - Seoul

As the head of the drone team, he is responsible for the overall design of the drone and its autonomous flight using pixhawk and ROS.

Researcher Technology 07/2022 - 03/2023

Soongsil university - Seoul, Korea of Republic

Worked on a project in a fluidics lab on the creation of microscopic Janus particles.

Also collaborated on a study of the wetting angle of water droplets.

LANGUAGES

korean - Native

English - Advanced

japanese - Intermediate

German - Beginner

EDUCATION

trainnee 2025

Doosan Robotics - Seoul

Engineering

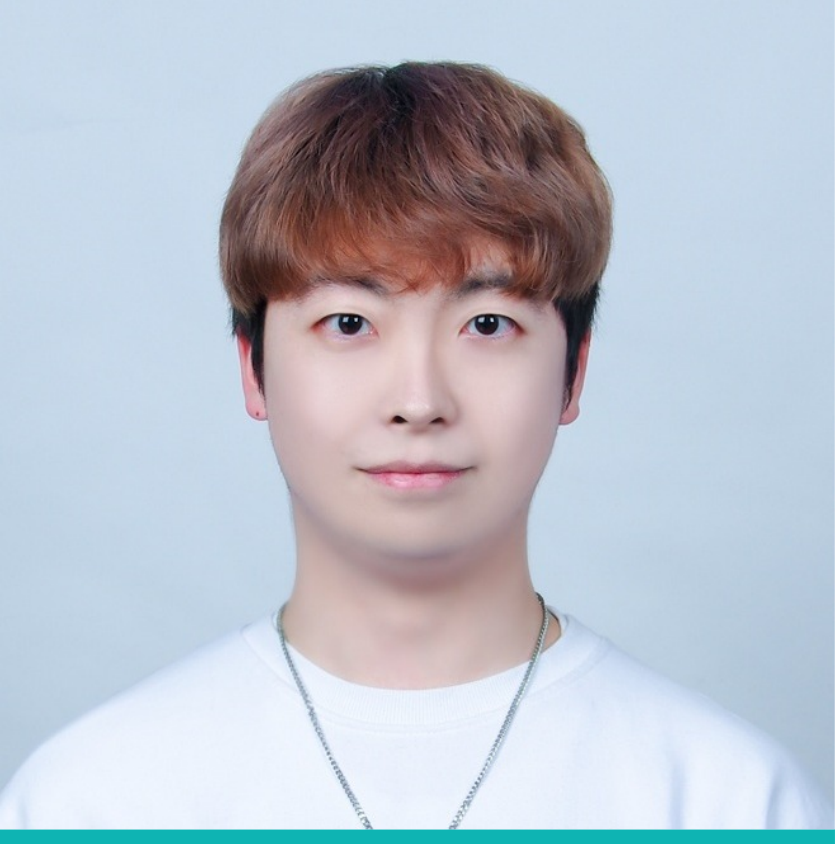
Successfully completed a software engineering bootcamp organized by Doosan Robotics, with intensive training in Python programming, foundational AI concepts, AI application development, Robot Operating System (ROS), and practical experience with real robotic systems

B.A. 2026

Soongsil University, Korea of Republic - Seoul, Korea of Republic

Mechanical engineering

Completed coursework in a broad range of mechanical engineering subjects, including Statics, Solid Mechanics, Dynamics, Thermodynamics, Fluid Mechanics, Structural Mechanics, Mechanical Vibrations, Robotics, and Energy Engineering. Additional training included Engineering Design, Machine Element Design, Vibration Testing, Numerical Analysis, Automatic Control, Materials Engineering, Manufacturing Engineering, Computer-Aided Mechanical Drafting, Machine Shop Practice, and Viscous and Compressible Flow.



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I graduated in Mechanical Engineering from Soongsil University, where I built a strong foundation in robotics, fluid dynamics, and mechanical design. Throughout my studies, I focused not only on theoretical learning but also on applying what I learned through hands-on projects and working with others across different disciplines.

As the team leader of Soongsil University's aerospace club, “Cheongeumbi,” I led the design and development of a drone from the ground up. Rather than relying on prefabricated parts, I designed the frame using CAD software, selected suitable materials, and constructed the body myself. I also developed the control software and integrated navigation sensors to ensure stable flight. This project sparked a deeper interest in control systems and motivated me to continue learning in that area.

To further strengthen my practical experience, I took part in a robotics training program run by Doosan Robotics, a leading company in the field. The program offered hands-on experience with real robotic platforms and covered Python programming, AI fundamentals, ROS, and robotic applications. This gave me a clearer understanding of how robotics is applied in real-world industrial settings.

Beyond my coursework, I spent a year as an undergraduate researcher in the Fluid Engineering Laboratory. My research focused on generating Janus particles using electrohydrodynamics (EHD) and 3D-printed Y-channels. Through this work, I gained valuable insights into microfluidics and material behavior, while also improving my experimental and data analysis skills.

I value working in an organized and efficient way, and I believe good teamwork is essential. My leadership experiences—both in project teams and as the president of a university club—taught me how to manage tasks, communicate clearly, and bring people together toward a common goal.

Driven by my interest in robotics, I’ve also pursued independent projects, including a presentation on soft robotic actuators. To expand my knowledge in materials science, I wrote a review paper on the physical properties of graphene.

In addition, I hold the highest-level CAD certification (CAT 1) and am currently preparing for the general mechanical engineering license exam.

I’m confident that my technical background, hands-on experience, and collaborative approach would make me a valuable part of your team. I’m excited about the possibility of contributing and learning more through this opportunity.

Thank you for your time and consideration.
Sincerely,
Jaehong Oh