



## Kota Ikeno

**Date of birth:** 22/09/2000 | **Nationality:** Japanese | **Gender:** Male | **Phone number:**  
(+81) 08089480684 (Mobile) | **Email address:** [ikeno.kota.q7@dc.tohoku.ac.jp](mailto:ikeno.kota.q7@dc.tohoku.ac.jp)

### WORK EXPERIENCE

01/11/2024 – CURRENT Tsukuba, Japan

**RESEARCH ENGINEER** NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY

Conducted research on LiDAR-IMU SLAM at the National Institute of Advanced Industrial Science and Technology (AIST).

While the study is still ongoing, this system aims to address a critical issue in LiDAR-SLAM known as point cloud degeneration.

The successful development of this system has the potential to revolutionize fields such as autonomous driving and exploration in unknown environments by providing a more reliable and accurate navigation solution.

**Business or Sector** Professional, scientific and technical activities | **Department** Digital Architecture Research Center

20/08/2024 – 25/10/2024 Tokyo, Japan

**MECHANICAL ENGINEER** SPACE QUARTERS

Designed and developed a custom vacuum chamber at Space Quarters, achieving a production cost less than one-tenth of the cost of outsourcing.

Reduced the thickness of the vacuum chamber to less than one-quarter of existing models, significantly lowering material costs and overall weight.

Ensured the chamber met the requirements for drop tests conducted in airplanes simulating space environments, balancing cost efficiency and functionality.

**Business or Sector** Professional, scientific and technical activities

01/04/2020 – 31/03/2024 Osaka, Japan

**ROBOTICS ENGINEERING TECHNICIAN** SMALL SPACECRAFT SYSTEMS RESEARCH CENTER (SSSRC)

Developed and operated satellites as part of the SSSRC team, focusing on communication systems.

Led the implementation of the broadcasting system for a project aimed at making satellite-captured images accessible to the public.

Managed tasks efficiently to meet tight deadlines by organizing workflows and ensuring all 10 team members clearly understood their roles and responsibilities.

Successfully completed tasks 20% ahead of schedule by fostering collaboration and maintaining effective communication within the team.

Built trust among team members through consistent daily interactions, which played a crucial role in ensuring smooth coordination and achieving project goals.

### EDUCATION AND TRAINING

01/04/2020 – 31/03/2024 Osaka, Japan

**BACHELOR OF ENGINEERING** Osaka Metropolitan University

**Field of study** Electronics and automation | **Level in EQF** EQF level 6

01/04/2024 – CURRENT Sendai, Japan

**MASTER OF ENGINEERING** Tohoku University

**Field of study** Electronics and automation | **Level in EQF** EQF level 7

### LANGUAGE SKILLS

Mother tongue(s): **JAPANESE**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	C1	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user