

# TATSUYA KAMIJO

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## EDUCATION

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- The University of Tokyo** (Tokyo, Japan) Oct. 2024 - present  
Master of Engineering (Dept. of Technology Management for Innovation)
- The University of Tokyo** (Tokyo, Japan) Apr. 2020 - Mar. 2024  
Bachelor of Engineering (Dept. of Mechanical Engineering)  
Relevant courses: Robot Intelligence, Robot System, Systems Control, Statistical Machine Learning

## PUBLICATIONS

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- T. Kamijo\***, M. Nishimura\*, Nodoka Shibasaki, Jeremy Siburian, C. C. Beltran-Hernandez, M. Hamaya, "Tactile Memory with Soft Robot: Robust Object Insertion via Masked Encoding and Soft Wrist", **RA-L 2026**.
- M. Aburub\*, C. C. Beltran-Hernandez\*, **T. Kamijo**, M. Hamaya, "Learning Diffusion Policies from Demonstrations For Compliant Contact-rich Manipulation." Accepted at **SII 2026** (peer-reviewed).  
\*Equal contribution.
- T. Kamijo\***, C. C. Beltran-Hernandez\*, M. Hamaya, "Learning Variable Compliance Control From a Few Demonstrations for Bimanual Robot with Haptic Feedback Teleoperation System." **IROS 2024 (Oral)**.  
\*Equal contribution.
- T. Kamijo**, T. Iiyama, Y. Oshima, G. Venture, T. Matsushima, Y. Matsuo, and Y. Iwasawa. "Tactile In-Hand Pose Estimation through Perceptual Inference." **IROS 2023 Workshop** on World Models and Predictive Coding in Cognitive Robotics, **Spotlight** (peer-reviewed).
- T. Kamijo**, I. G. Ramirez-Alpizar, E. Coronado, G. Venture, "Tactile-based Active Inference for Force-Controlled Peg-in-Hole Insertions." Accepted at **SII 2026** (peer-reviewed). **Best Paper Award Finalist**.

## RESEARCH EXPERIENCE

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- RoboPIL, Columbia University** (New York, USA - Remote Collaboration) July 2025 - present  
Research Collaborator, working with [Prof. Yunzhu Li](#)
- Matsuo-Iwasawa Lab, The University of Tokyo** (Tokyo, Japan) Apr. 2024 - present  
Research Assistant, advised by [Prof. Yusuke Iwasawa](#) and [Prof. Yutaka Matsuo](#)
- OMRON SINIC X** (Tokyo, Japan) Oct. 2023 - Oct. 2025  
Part-time Research Intern, mentored by [Dr. Masashi Hamaya](#) and [Dr. Cristian C. Beltran-Hernandez](#)
- GV Lab, The University of Tokyo** (Tokyo, Japan) Oct. 2022 - Mar. 2023  
Undergraduate Researcher, under [Prof. Gentiane Venture](#)

## TEACHING EXPERIENCE

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- Physical AI Course: Introduction to ROS2** Apr. 2025 - June 2025  
Lecturer, Matsuo-Iwasawa Lab, The University of Tokyo
- Developed and delivered two lectures on robotic system fundamentals with a focus on practical ROS2 engineering to **over 1300 students** in an open lecture series organized by Matsuo-Iwasawa Lab.
  - Received the highest student evaluation among all lectures in the series (Net Promoter Score: 61.76)
  - Course materials (in Japanese) are publicly available: [Part 1](#), [Part 2](#)
- AI Application Project: Project-based Class on AI & Robotics** Apr. 2024 - present  
Teaching Assistant, The University of Tokyo
- Monozemi: Introductory Mechatronics Engineering Course** Apr. 2023 - July. 2023  
Teaching Assistant, The University of Tokyo

## ACADEMIC SERVICE

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Conference Reviewer: **CoRL, ICRA, IROS**

Journal Reviewer: **IEEE RA-L, IEEE T-ASE**

Other: **Student Editor** for The Robotics Society of Japan (RSJ)

## PROFESSIONAL EXPERIENCE

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**Software Engineer Intern** Aug. 2022 - Sep. 2022  
Excite Japan Co., Ltd.

**Hardware Engineer Intern** Aug. 2022 - Aug. 2022  
Telexistence Inc.

## SKILLS

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| <b>Technical Skills</b> | <b>ROS, PyTorch, MuJoCo, robosuite, 3D CAD, Unity, Web application development</b> |
| <b>Coding</b>           | <b>Python, C++, C#, MATLAB, Dart</b>   |
| <b>Robots</b>           | <b>UR5e (Universal Robots), CRANE-X7 (RT Corp.), xArm7 (UFACTORY)</b>              |
| <b>Dev Tools</b>        | <b>NeoVim, tmux, ssh, Docker, Pixi</b>   |

## AWARDS & HONORS

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- **Nakajima Foundation Fellowship** Sep. 2026 - Aug. 2031  
Fellowship for PhD studies from Fall 2026 for 2 years with the possibility of extension
  - Tuition: \$20,000/year
  - Stipend: \$2,500/month
  - Others: One-time preparation grant of \$3,300 and return flight coverage
  - Total: **\$104,000-\$190,000****Top 5%** of applicants.
- **Best Paper Award Finalist** in SII 2026 Dec. 2025
- **Invited Talk** at the 2nd Tokyo AI session - AI in Hardware and Robotics Nov. 2024  
Event page: <https://lu.ma/bpmaycqm>
- **Best Poster Award** in the IROS 2024 workshop: Collecting, Managing and Utilizing Data through Embodied Robots Oct. 2024
- **Keyence Foundation Scholarship** (300,000 yen, approximately \$2,030 USD as of 2023) July 2023
- **3rd Winner** in ICRA 2023 Virtual Manipulation Challenge Assembly Track June 2023
- **Honorable Mention** in Japan Physics Olympiad 2019 Aug. 2019