

Hiroshi Yamada

Tokyo, Japan

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Education

University of Tokyo

Master of Engineering in Computer Science

Apr 2021 – Mar 2023 | Tokyo, Japan

GPA: 3.7/4.0

Activities: Robotics Club VP, AI Symposium Organizer, Teaching Assistant

Relevant Coursework: Humanoid Robotics, Machine Learning, Control Systems, Computer Vision, Embedded Programming

Summer School: KAIST 2022 (GPA: 4.3/4.5), NUS 2021 (GPA: 4.6/5.0)

Work Experience

Robotics Software Engineer | Sony R&D Center | Apr 2023 - Present | Tokyo, Japan

- Developed control algorithms in C++ for autonomous drones.
- Integrated ROS-based modules for perception and planning.
- Optimized SLAM pipeline, reducing computation time by 20%.

Skills

Programming: C++, Python, MATLAB

Frameworks: ROS, OpenCV, TensorFlow

Tools: Gazebo, Docker, Git

Other Skills: SLAM, Path Planning, Control Theory, Real-Time Systems

Certificates

ROS Industrial Training

Udacity: Robotics Software Engineer Nanodegree

Coursera: Control of Mobile Robots

Awards

Sony Innovation Award 2023

University Research Grant 2022
First Place – Tokyo Robotics Challenge