Joe Kohzen

Software Engineer

Contact

📞 +81-90-6727-2973

@ al21017@shibaura-it.ac.jp

in https://www.linkedin.com/in/joe-kohzen-2626872b6/

○ https://github.com/yuzu2yan

🌐 https://yuzu2yan.github.io/

Profile

I am a first-year master's student in Computer Science, specializing in AI robotics using digital twin and world models. As a full-stack engineer, I have worked globally across a wide range of technologies, from hardware to cutting-edge AI, front-end to back-end, and design. With three years of professional experience in various companies and four years in space development. Additionally, I have won several hackathons and competitions.

Skills

- **Programming**

C++, **Python**, Rust, Java, JavaScript, TypeScript

- **Technologies**

OpenCV, TensorFlow, React, Next.js, Linux, ROS, Arduino, Omniverse, Git, Docker, Fusion 360, KiCAD

- **Design**

Illustrator, Photoshop, Figma

- **Language**

Japanese (native), English (Business)

🎓 Education

Bachelor of Computer Science
Shibaura Institute of Technology   2021 - 2025
- Studied computer science in general for four years and researched autonomous control of AI robots using a digital twin.
- **Contributor, ITU-T Standardization, Study Group 21, Proposal to add sensors in infrastructure for surveillance**

GPA: 4.0 / 4.0

Master of Computer Science
Shibaura Institute of Technology   2025 - 2027
- Following undergraduate studies, research on world models, digital twin and AI robots.

GPA: 4.0 / 4.0

Visiting Research Internship
WINLAB, Rutgers University   2025 - 2026
- Research on reproduction of communication on the digital twin and prediction of communication state by world models.

💼 Experience

Work Experience

Ielove Group, Inc.
Intern   2023
- Developed a SaaS for real estate in a middle venture.
- Skills: PHP, ZendFramework

Rakuten Group, Inc.
Intern   2023
- Developed a creative web application on the theme of food loss that enables the reuse of excessively discarded products.
- Skills: JavaScript, React, Python, Firebase

Usagee Inc.
Intern   2023 - 2024
- Developed an application to retrieve images based on image similarity using RAG and foundation models.
- Skills: Python, LangChain, MongoDB, Pinecone

Yukai Engineering Inc.
Intern   2024 - Now
- Developed firmware, boards, and LLM models for the robot that makes the world joyful.
- Skills: C++, Python, Arduino, KiCAD, Fusion 360

Hyper Digital Twins Co., Ltd.
Associate Engineering Lead   2024 - Now
- Developed an autonomous driving infrastructure system for micro-mobility using a digital twin with sensor networks.
- Skills: Python, C++, ROS2, Linux, Autoware

Additional Experience

Next Generation Leadership Program
Harvard University   2018
- Learned the qualities necessary to be a leader.

Shibaura Aerospace Exploration Society
Head of Satellite Division, Project Manager   2021 - 2024
- Developed a satellite and participated in launch experiment held in US and other events.
- Skills: C++, Python, Arduino, ROS2, OpenCV, Linux, Tensorflow, KiCAD, Fusion 360