

Sotaro Kanazawa

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Interests

Computer Vision, Human-Computer Interaction

Education

The University of Tokyo

Master of Science in Computer Science

Supervisor: Prof. Takeo Igarashi

Tokyo, Japan

April 2024 - Present

The University of Tokyo

Bachelor of Science in Information Science

Supervisor: Prof. Takeo Igarashi

Thesis: Generating Font Variations Using GAN Latent Space Trajectory

Tokyo, Japan

April 2020 - March 2024

Work Experiences

Research Assistant, Harada-Osa-Kurose-Mukuta Lab.

September 2024 - Present

- Develop a large-scale multimodal model, combining vision and language models

Research Intern, Preferred Networks

August 2024 - September 2024

- Work as a HCI (Human-Computer Interaction) research intern

ML Engineer Intern, PKSHA Technology / PKSHA Associates

March 2023 - December 2023

- Develop a tool that automatically reads documents, powered by LLMs
- Develop a tool that automatically generates scout messages, powered by LLMs

ML Engineer Intern, Matsuo Institute

May 2022 - October 2022

- Develop a deep learning-based technology for diagnosing dementia using MRI
- Develop a deep learning algorithm for classifying the severity of white matter lesions

Projects

DubGuild

March 2024 - Present

- Develop integrated AI-assisted software for automatic anime dubbing
- Develop an anime auto-dubbing system utilizing visual information from the anime
- Accepted as a project under MITOU Advanced since July 2024 (<https://www.ipa.go.jp/jinzai/mitou/advanced/2024/gaiyou-mr-1.html>)

More: <https://dubguild.com/>

Compiler for a Subset of Ocaml

- Develop a unique ISA based on RISC-V
- Implement a range of compiler optimization techniques

More: <https://github.com/sk4161/cpuex-compiler>

Technical Strengths

Programming Languages	Python, C/C++, Rust, JavaScript, TypeScript
Deep Learning Frameworks	PyTorch, TensorFlow