

# Shinnosuke Ono

E-mail: [shinnosuke-ono211@email.plala.or.jp](mailto:shinnosuke-ono211@email.plala.or.jp) OR [ono-shinnosuke637@g.ecc.u-tokyo.ac.jp](mailto:ono-shinnosuke637@g.ecc.u-tokyo.ac.jp)

## EDUCATION

University of Tokyo, Tokyo, Japan

Apr 2025 – Department of Computer Science, Graduate School of Information Science and Technology. My advisor is Prof. Masashi Sugiyama. My research interests include representation learning (especially contrastive learning), offline reinforcement learning with unlabeled data, and language models.

Sep 2022 – Mar 2025: Department of Information Science, Faculty of Science (GPA 2.68/3)

Apr 2021 – Aug 2022: College of Arts and Sciences (GPA 3.02/3)

## WORK EXPERIENCE

Mar 2024 – Present: EQUES Inc., Tokyo, Japan

Lead Engineer

- Led the development of a large language model (LLM) specialized for pharmaceutical and pharmacy applications. My contributions include maintaining the infrastructure, building large-scale training datasets, developing a strategy for pre- and post-training, and building evaluation datasets.
- Established coding standards and best practices for team collaborative development, enhancing the overall technical proficiency of the company

Sep 2023 – Present: Matsuo Institute Inc., Tokyo, Japan

Machine Learning Engineer

- Developed and evaluated 10+ machine learning and deep learning models for power demand forecasting

Dec 2022 – Present: Guild Labo Ltd., Tokyo, Japan

Engineer

- Developed a diffusion-based image generation model for anomaly detection applications.
- Built a unified web-based platform for coordinated control of multiple types of robots.
- Implemented and evaluated a reproduction of a GNN-based representation learning model for 3D modeling tasks.

## SKILLS

### Language Skills:

- Japanese: Native
- English: equivalent to CEFR C1. TOEFL iBT: 99 (2024).
- Spanish: equivalent to CEFR B1. Completed Trilingual Program (Spanish) of the University of Tokyo in 2022.

**Programming Languages:** Python, PyTorch, DeepSpeed, Megatron, C/C++, CUDA, Shell Script, SQL.

**Tools:** Slurm, Docker, Singularity, AWS (EC2, S3, CloudFormation, Athena, Lambda, Glue, Personalize, and Step Functions), Git/GitHub.

**Research Skills:** Machine Learning, Multimodal Learning, Contrastive Learning, Large Language Models