

Yuta Ono

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Education

Department of Information Physics and Computing, Graduate School of Information Science and Technology, The University of Tokyo , Japan	Apr 2023 – Present
<ul style="list-style-type: none"> • Master of Information Science and Technology • GPA: 4.0/4.0 	
Department of Information Technology and Electrical Engineering, ETH Zurich , Switzerland	Sep 2023 – Aug 2024
<ul style="list-style-type: none"> • Exchange Student • GPA: 5.5/6.0 (Semester Project @DISCO: 6.0) 	
Department of Mathematical Engineering and Information Physics, The University of Tokyo , Japan	Apr 2019 – Mar 2023
<ul style="list-style-type: none"> • Bachelor of Engineering • GPA: 3.7/4.0 	

International Conferences

Exploring the possibility of TypiClust for low-budget Federated Active Learning Yuta Ono, Hiroshi Nakamura, Hideki Takase The 49th IEEE International Conference on Computers, Software, and Applications (COMPSAC)	Jul 2025
SUPClust: Active Learning at the Boundaries Yuta Ono, Till Aczel, Benjamin Estermann, Roger Wattenhofer 5th Workshop on practical ML for limited/low resource settings (PML4LRS@ICLR)	May 2024

Domestic Conferences (in Japanese)

Preliminary Study towards Split Learning with Early Exits Yuki Oda, Yuta Ono, Hiroshi Nakamura, Hideki Takase Summer United Workshops on Parallel, Distributed and Cooperative Processing (SWoPP)	Aug 2025
Evaluation of TypiClust for Federated Active Learning in Low-Budget Regimes Yuta Ono, Hiroshi Nakamura, Hideki Takase Annual Conference of the Japanese Society for Artificial Intelligence (JSAI)	May 2025
Training Deep Neural Networks for Fast Data Assimilation Yuta Ono, Yuta Tarumi, Keisuke Fukuda, Shin-ichi Maeda Information-Based Induction Sciences and Machine Learning (IBISML)	Dec 2024
Trapping of Airborne Objects by Using Camera Tracking in Acoustic Levitation Yuta Ono, Shun Suzuki, Yasutoshi Makino, Nozomi Nishiumi, Hiroyuki Shinoda The Robotics and Mechatronics Conference (ROBOMECH)	Jun 2023

Grants

AIP Challenge Program , Japan Science and Technology Agency (JST)	Jun 2025 – Mar 2026
<ul style="list-style-type: none"> • JPY 1,000,000 • This program aims to support the independence of young researchers 	

Awards

Certificate of Merit for ROBOMECH Outstanding Research Activity May 2024

- Awarded to authors who have received high evaluations for their research results ($\sim 0.4\%$; 6/1467)

Fellow Award for Outstanding Young Engineers May 2024

- Awarded to young researchers whose work is useful and novel ($\sim 2.8\%$; 25/887)

Scholarships

UTokyo-TOYOTA Study Abroad Scholarship for the Study and Research in the Field of AI Sep 2023 – Aug 2024

- Awarded to only five students in UTokyo
- JPY 220,000 / month

Thirty-seventh term scholarship student, INOAC International Education and Scholarship Foundation Sep 2023 – Aug 2024

- JPY 100,000 / month

Work Experience

Part-time Researcher, Preferred Networks inc., Tokyo, Japan Oct 2024 – Present

- Developing a fast data assimilation method that overcomes non-linearity, non-Gaussianity, and high dimensionality, based on variational Bayes and empirical Bayes
- Skills: Python (PyTorch), Bayesian Statistics, Optimization

Research Intern, Preferred Networks inc., Tokyo, Japan Aug 2024 – Sep 2024

- Fast data assimilation by deep neural networks

Teaching Assistant, ETH Zurich, Switzerland Feb 2024 – Apr 2024

- “Hands-on Deep Learning (FS 2024)”
- Skills: Python (PyTorch, PyG)

Part-time Engineer, Nagase Brothers Inc., Tokyo, Japan Aug 2021 – Aug 2023

- Web Backend Engineer
- Designed and built web APIs for internal systems

Skills

Machine Learning / Deep Learning

- Research interests: Active Learning, Federated Learning, Uncertainty Quantification, Bayesian Optimization, GNN
- 5+ years of experience in Python and PyTorch
- Familiar with Docker/Docker Compose, Singularity/Apptainer, Git/GitHub/GitLab, and SLURM (as user: 2+ year experience; as admin: introduced SLURM system for lab and currently managing ~ 10 nodes)

Web Development

- Built web backend in Nagase Brothers Inc.
- Qualified as a database specialist by Information-technology Promotion Agency, Japan (Dec 2022)
- Python, Golang, Ansible, gRPC, REST API, Protocol Buffers, OpenAPI Specification, MySQL, TypeScript, Docker/Docker Compose, Ansible

Languages

- Japanese (Native)
- English (Fluent; TOEFL iBT 102, CEFR C1)