

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

Domestic Conferences (in Japanese)

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

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 (~ 0.4%; 6/1467)

Fellow Award for Outstanding Young Engineers May 2024

- Awarded to young researchers whose work is useful and novel (~ 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/Aptainer, 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)