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 – Mar 2026 (Expected)

- 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

- Exchange Student
- GPA: 5.5/6.0

Department of Mathematical Engineering and Information Physics, **The University of Tokyo**, Japan — Apr 2019 – Mar 2023

- Bachelor of Engineering
- GPA: 3.7/4.0

International Conferences

Hetero-SplitEE: Split Learning of Neural Networks with Early Exits for Heterogeneous IoT Devices — Dec 2025
Yuki Oda, Yuta Ono, Hiroshi Nakamura, Hideki Takase
The 18th IEEE International Symposium on Embedded Multicore/Many-core Systems-on-Chip (MCSoC)

Exploring the possibility of TypiClust for low-budget Federated Active Learning — Jul 2025
Yuta Ono, Hiroshi Nakamura, Hideki Takase
The 49th IEEE International Conference on Computers, Software, and Applications (COMPSAC)

SUPClust: Active Learning at the Boundaries — May 2024
Yuta Ono, Till Aczel, Benjamin Estermann, Roger Wattenhofer
5th Workshop on practical ML for limited/low resource settings (PML4LRS@ICLR)

Domestic Conferences (in Japanese)

Consideration for Batch Active Learning on Graphs via Uncertainty Propagation — Nov 2025
Yuta Ono, Hiroshi Nakamura, Hideki Takase
The 28th Information-Based Induction Sciences Workshop (IBIS2025)

Preliminary Study towards Split Learning with Early Exits — Aug 2025
Yuki Oda, Yuta Ono, Hiroshi Nakamura, Hideki Takase
Summer United Workshops on Parallel, Distributed and Cooperative Processing (SWoPP)

Evaluation of TypiClust for Federated Active Learning in Low-Budget Regimes — May 2025
Yuta Ono, Hiroshi Nakamura, Hideki Takase
Annual Conference of the Japanese Society for Artificial Intelligence (JSAI)

Training Deep Neural Networks for Fast Data Assimilation — Dec 2024
Yuta Ono, Yuta Tarumi, Keisuke Fukuda, Shin-ichi Maeda
Information-Based Induction Sciences and Machine Learning (IBISML)

Trapping of Airborne Objects by Using Camera Tracking in Acoustic Levitation — Jun 2023
Yuta Ono, Shun Suzuki, Yasutoshi Makino, Nozomi Nishiumi, Hiroyuki Shinoda
The Robotics and Mechatronics Conference (ROBOMECH)

Grants

Yuta Ono, **Doctoral Course Research Fellowships (DC1)**, Japan Society for the Promotion of Science (JSPS) — Apr 2026 – Mar 2029

- JPY 4,500,000 (at most)
- Available only in Japan

Yuta Ono, **AIP Challenge Program**, Japan Science and Technology Agency (JST) — Jun 2025 – Mar 2026

- 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

Funai Overseas Scholarship, Funai Foundation for Information Technology — Sep 2026 – Aug 2028

- USD 36,000 / year (for living expenses)
- USD 14,000 / year (for tuition fees)
- Full coverage for medical insurance

Doctoral Course Research Fellowships (DC1), Japan Society for the Promotion of Science (JSPS) — Apr 2026 – Mar 2029

- JPY 200,000 / month
- Available only in Japan

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 $\sim$ 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)