

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)
<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 	
Department of Mathematical Engineering and Information Physics, Faculty of Engineering, 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

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)	

Scholarships

Funai Overseas Scholarship, Funai Foundation for Information Technology Sep 2026 – Aug 2029

- For living expenses: USD 36,000 / year
- For tuition fees: USD 14,000 / year
- Full coverage for medical insurance
- Selected based on outstanding academic performance and research potential

KDDI Overseas Scholarship, KDDI Foundation Sep 2026 – Aug 2028

- For living expenses: JPY 3,000,000 \simeq USD 19,000 / year
- Selected based on outstanding academic performance and research potential

Yoshida Scholarship, Yoshida Scholarship Foundation Sep 2026 – Aug 2028

- For living expenses: USD 30,000 / year
- For tuition fees or research expenses: JPY 2,500,000
- Awarded to only 5 students nationwide annually based on academic excellence and leadership potential
- Currently requesting a deferral to avoid concurrent funding conflicts

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

- Research grant: JPY 4,500,000 (at most)
- Stipend: JPY 200,000 / month
- Available only in Japan
- Awarded to about top 10% of incoming doctoral students in Japan

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

- Awarded to only 5 students in UTokyo annually
- JPY 220,000 / month

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

- Merit-based scholarship awarded for academic excellence
- JPY 100,000 / month
- Declined in favor of the TOYOTA Scholarship due to concurrent funding restrictions

Grants

Yuta Ono, **AIP Challenge Program**, Japan Science and Technology Agency 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)

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

- Summer internship on development of fast data assimilation methods using 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 to use AI-based OCR and proofreading for internal systems

Skills

Machine Learning / Deep Learning

- Research interests: Active Learning, Uncertainty Quantification, Bayesian Optimization, GNN, Federated Learning
- 6+ years of experience in Python (Matplotlib, NumPy, 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, gRPC, REST API, Protocol Buffers, OpenAPI Specification, MySQL, ERD, TypeScript, Docker/Docker Compose, Ansible

Languages

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