

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, 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)

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

Yuta Ono, Doctoral Course Research Fellowships (DC1) , Japan Society for the Promotion of Science (JSPS)	Apr 2026 – Mar 2029
<ul style="list-style-type: none">• 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
<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
<ul style="list-style-type: none">• Awarded to authors who have received high evaluations for their research results (~ 0.4%; 6/1467)	
Fellow Award for Outstanding Young Engineers	May 2024
<ul style="list-style-type: none">• Awarded to young researchers whose work is useful and novel (~ 2.8%; 25/887)	

Scholarships

Doctoral Course Research Fellowships (DC1) , Japan Society for the Promotion of Science (JSPS)	Apr 2026 – Mar 2029
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• JPY 100,000 / month	

Work Experience

Part-time Researcher , Preferred Networks inc., Tokyo, Japan	Oct 2024 – Present
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Fast data assimilation by deep neural networks	
Teaching Assistant , ETH Zurich, Switzerland	Feb 2024 – Apr 2024
<ul style="list-style-type: none">• “Hands-on Deep Learning (FS 2024)”• Skills: Python (PyTorch, PyG)	
Part-time Engineer , Nagase Brothers Inc., Tokyo, Japan	Aug 2021 – Aug 2023
<ul style="list-style-type: none">• 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)