

# Yuta Ono

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## Education

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

## International Conferences

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

## Domestic Conferences (in Japanese)

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

## Grants

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

## Awards

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**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

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**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

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

- Developing a fast data assimilation method using variational Bayes

**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

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### Machine Learning / Deep Learning

- 5+ years of experience in Python and PyTorch
- Familiar with Docker/Docker Compose, Git / GitHub / GitLab, and SLURM (as user: 1+ year experience; as admin: introduced SLURM system for lab and managing 8 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)