

Yuri TAKIGAWA

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EDUCATION

University of Tokyo

B.E. Candidate, Electrical and Electronic Engineering

Tokyo, Japan

Expected March 2026

- Faculty of Engineering, Department of Electrical and Electronic Engineering
- GPA: 3.93 / 4.3
- M.S. admission confirmed: Graduate School of Information Science and Technology, Department of Creative Informatics

EXPERIENCE

Instructor (Physics and Computer Science)

Tetsuryokukai (Tokyo Educational Institute)

Apr 2022 – Dec 2025

Japan

- Taught physics and computer science courses, emphasizing clear and logical explanations of technical concepts.
- Prepared teaching materials and technical documents using L^AT_EX.

Software Engineer

OneStepS Inc.

Jan 2025 – Feb 2026 (expected)

Japan

- Developed backend services for an in-house SaaS product.
- Designed and implemented APIs using TypeScript and Python.
- Worked with AWS-based infrastructure for deployment and service operation.

Teaching Assistant (Software Systems Laboratory)

University of Tokyo

Oct 2025

Tokyo, Japan

- Assisted in the laboratory course “Exploring Large-Scale Software Systems” under Prof. Kenjiro Taura.

RESEARCH

Undergraduate Researcher

University of Tokyo

Ongoing

- Analyzing the Cerebras Wafer-Scale Engine through a fused cross entropy kernel.
- Investigating performance characteristics of large-scale machine learning workloads.

PUBLICATION

Manuscript in preparation for submission to the International Conference on Supercomputing (ICS 2026).

TECHNICAL SKILLS

Programming: C/C++, Python, TypeScript, CUDA

Technologies: AWS, Backend Development, HPC Systems