

Summary:

- Project Assistant Professor at National Institute of Informatics (NII), Echizen-lab.
- Research focus: robustness and reliability of deep learning models (adversarial robustness, calibration, vision-language security).
- Publications: **WACV'23, ICML'23, ICIIP'24, ICLR'25, ACL'25 Main, ACMMM'25, WACV'26.**
- Awards/Scholarships: **NII Inose Outstanding Student Award (2025); JSPS DC2** (acceptance rate: **17.9%**).
- Collaboration: Technical University of Munich (TUM), NEC, CyberAgent AI Lab, SB Intuitions, Turing Inc., and Ollo Inc.
- English: TOEFL iBT **96/120**.

Personal Info

- Nationality: Japan / USA (*Dual nationality. No VISA required to work in the USA*)
- Language: Japanese (Native), English (Advanced; *TOEFL: 96/120*)
- Website: <https://futa-waseda.netlify.app> | Github: <https://github.com/futakw>
- Google scholar: <https://scholar.google.co.jp/citations?user=aBQ2en8AAAAJ&hl=en>

Education**Ph.D.** **The University of Tokyo, Japan** **April 2023 – March 2026**

- Information Science and Technology | Supervisor: Prof. Isao Echizen
- Research: robustness and reliability of deep learning models.

Exchange Student **Technical University of Munich, Germany** **April 2021 – March 2022**

- Informatics | Hosted by Prof. Daniel Cremers; supervised by Christian Tomani.
- Research outcome (international collaboration): robust uncertainty calibration under distribution shift; accepted at **ICML 2023**.
- Coursework: Novel Challenges on Deep Learning; Biologically-inspired Methods; Cognitive Neuroscience.
- Scholarship (selective): **UTokyo-TOYOTA Study Abroad Scholarship 2021**.

M.Sc. **The University of Tokyo, Japan** **April 2020 – March 2023**

- M.Sc. in Information Science and Technology (March 2023) | Supervisor: Prof. Isao Echizen | **GPA: 3.93/4.00**.
- Research outcome (core contribution): theory on adversarial example transferability; accepted at **WACV 2023**.
- Coursework: Artificial Intelligence; Computer Vision; Neurointelligence; Cognitive Science.

B.Eng. **The University of Tokyo, Japan** **April 2016 – March 2020**

- B.Eng. in Systems Innovation (March 2020) | Supervisor: Prof. Kenji Tanaka | **Major GPA: 3.52/4.00**.
- Research outcome (industry-academia): auto-bidding agent for peer-to-peer electricity trading under uncertainty; accepted at **IEEE EEEIC 2020** (with TOYOTA).
- Coursework: Mathematics; Programming; Statistical Machine Learning; Image Media Technologies; Strength of Materials; Fluid Mechanics; Economics; Multi-Agent System; Engineering Simulation.

Employment**Research Internship** **Turing Inc., Japan** **April 2025 – present**

- Research on reliable vision-language models.

Research Internship **SB Intuitions, Japan** **Aug. 2024 – Aug. 2025**

- Research on IP protection for large language models (**ACL 2025 Main**).

- **First-Place Award**—Top 1/7 teams, MDS Data Science Contest 2018 (The University of Tokyo). Identified a new insight in the food industry using large-scale lifestyle data ([link](#)).

Scholarships

- **PhD Research Fellowship (DC2)** from The Japan Society for the Promotion of Science (JSPS). 1,300\$/month. Acceptance rate: 17.9%. (April 2024 – March 2026)
- **SPRING GX** from Support for Pioneering Research Initiated by Next Generation (SPRING) of Japan Science and Technology Agency (JST). 1,200\$/month. Acceptance rate: 25%. (April 2023 – March 2024)
- **Special Research Assistant 2023** at Information, Science and Technology Department, The University of Tokyo. Selected as A+ prioritized research assistant (declined after the SPRING GX acceptance).
- **UTokyo-TOYOTA Study Abroad Scholarship 2021**. 1,920\$/month. Top 2 students in the university. (April 2021 – March 2022)

Research Fund

- **AIP Challenge Program** from Japan Science and Technology Agency (JST). 7,000\$. (April 2023 – March 2024)

Skills

- **Programming:** Python; Java; HTML; CSS; JavaScript