

Futa (Kai) Waseda

PhD student, at The University of Tokyo

Profile

Language: Japanese: Native, English: C1 level (TOEFL-iBT 96/120)

Nationality: Japan/USA

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Education

April 2023 – current

- **PhD student**
- Graduate School of Information Science and Technology, The University of Tokyo.

April 2020 – March 2023

- **Master of Informatics.**
- Graduate School of Information Science and Technology, The University of Tokyo.

April 2016 – March 2020

- **Bachelor of Engineering.**
- Systems Innovation, Faculty of Engineering, The University of Tokyo.

Experience

April 2022 – current

- **Research Assistant**
- NII (National Institute of Informatics), Japan.

April 2020 – current

- **Machine Learning / Algorithm's Research Engineer**
- Ollo inc, Japan.

April 2021 – March 2022

- **Exchange student**
- Technical University of Munich (TUM), Germany.
- Achievements
 - Paper got accepted to ICML 2023.

April 2020 – March 2021

- **Research Assistant**
- NII (National Institute of Informatics), Japan.
- Achievements
 - Paper got accepted to WACV 2023.

Publications

1. Tomani, Christian* and Futa Waseda* et al. "Beyond In-Domain Scenarios: Robust Density-Aware Calibration." International Conference on Machine Learning 2023. (**ICML 2023**). (*Equal-contribution co-first author)
2. Waseda, Futa, et al. "Closer Look at the Transferability of Adversarial Examples: How They Fool Different Models Differently." Proceedings of the IEEE/CVF Winter Conference on Applications of Computer Vision. 2023. (**WACV 2023**)
3. Waseda, Futa, and Kenji Tanaka. "Bidding agent for electric vehicles in peer-to-peer electricity trading market considering uncertainty." 2020 IEEE International Conference on Environment and Electrical Engineering and 2020 IEEE Industrial and Commercial Power Systems Europe (**EEEIC/I&CPS Europe**). IEEE, 2020.
4. 堀賢人, 鎌田麻衣子, 酒井翼, 早稲田風太, 坂田一郎, 浅谷公威 「消費者アンケートを活用した飲食店顧客の多面的理解」 DEIM Forum 2019,F3-4,2019 (**DEIM 2018**) 長崎, 2019年3月(最初4名が同等の貢献)
(<https://db-event.jpn.org/deim2019/post/papers.html>)

Awards

1. MDS Data Science Contest 2018, held by Mathematics and Informatics Center in The University of Tokyo. **First-place award**
(URL: http://www.mi.u-tokyo.ac.jp/industry_consortium.html)
2. The Analytics Hackathon 2019, held by SAS Institute Japan Inc. **Special Prize**
(URL: <https://enterprisezine.jp/article/detail/12209?p=2>)
3. The lecture "Advanced Artificial Intelligence Theory 2", held by Next Generation Artificial Intelligence Research Center, The University of Tokyo. **Outstanding performance award**
(URL: https://futa-waseda.netlify.app/project/twitter_image_captioning/)

Scholarship

1. UTokyo-TOYOTA Study Abroad Scholarship for the study and research in the field of Artificial Intelligence **Accepted as a 2021 scholarship member.**
2. 2023 Special Research Assistant at Information, Science and Technology Department, The University of Tokyo. **Selected as A+ Prioritized Research Assistant** (declined to receive the scholarship after the SPRING GX acceptance)
3. SPRING GX, by Pioneering Research Initiated by Next Generation (SPRING) of Japan Science and Technology Agency (JST). **Selected as a 3 year PhD scholarship member.**

Skills

Programming languages:

- Python, Pytorch

Machine learning / Deep learning:

- I have sufficient experiences to use libraries related to machine learning, such as numpy, pandas, scikit-learn, Pytorch.

Communication skill in research and development:

- High communication skill in both Japanese and English that leads to great teamwork in academic research and software engineering.

Links

Portfolio: <https://futawaseda.netlify.app/>

Github: <https://github.com/futakw>

LinkedIn: <https://www.linkedin.com/in/futa-waseda-8b8a4a201/>