

Taiga Someya

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Education

The University of Tokyo Ph.D. Student Department of Language and Information Sciences Advisor: Prof. Yohei Oseki	Tokyo, Japan April 2024 – Present
The University of Tokyo M.S. in Arts and Sciences Department of Language and Information Sciences Advisor: Prof. Yohei Oseki	Tokyo, Japan April 2022 – March 2024
The University of Tokyo B.A. in Arts and Sciences College of Arts and Sciences	Tokyo, Japan April 2018 – March 2022

Research Positions

Visiting Student Department of Computer Science Host: Prof. Ryan Cotterell	ETH Zürich, Switzerland November 2024 – Present
National Institute of Advanced Industrial Science and Technology (AIST) Technical Staff	Tokyo, Japan November 2022 – Present
Nagoya University Research Assistant	Nagoya, Japan July 2024 – September 2024
The University of Tokyo Research Staff	Tokyo, Japan April 2022 – June 2023

Publications

Refereed Conference Articles

1. **Taiga Someya**, Anej Svete, Brian DuSell, Timothy J. O'Donnell, Mario Giulianelli, Ryan Cotterell. 2025. Information Locality as an Inductive Bias for Neural Language Models. *ACL 2025*.
2. Ryo Yoshida, Shinnosuke Isono, Kohei Kajikawa, **Taiga Someya**, Yushi Sugimoto, Yohei Oseki. 2025. If Attention Serves as a Cognitive Model of Human Memory Retrieval, What is the Plausible Memory Representation? *ACL 2025*.
3. **Taiga Someya**, Ryo Yoshida, Hitomi Yanaka, Yohei Oseki. 2025. Derivational Probing: Unveiling the Layer-wise Construction of Syntactic Structures in Neural Language Models. *CoNLL 2025*.
4. Ryo Yoshida, **Taiga Someya**, Yohei Oseki. 2024. Tree-Planted Transformers: Unidirectional Transformer Language Models with Implicit Syntactic Supervision. *ACL 2024 Findings*.
5. **Taiga Someya**, Tatsuya Ishigaki, Yohei Oseki, Ryo Nagata, Hiroya Takamura. 2024. Leveraging Player Embeddings for Soccer Event Prediction. *IT4PSS Workshop at IJCAI 2024*.
6. **Taiga Someya**, Yushi Sugimoto, Yohei Oseki. 2024. JCoLA: Japanese Corpus of Linguistic Acceptability. *LREC-COLING 2024*.
7. **Taiga Someya**, Ryo Yoshida, Yohei Oseki. 2024. Targeted Syntactic Evaluations on the Chomsky Hierarchy. *LREC-COLING 2024*. **[Best Paper Award]**
8. **Taiga Someya**, Yohei Oseki. 2023. JBLiMP: Japanese Benchmark of Linguistic Minimal Pairs. *EACL 2023 Findings*.

Refereed Conference Abstracts

1. Kenjiro Ide, **Taiga Someya**, Kohei Kawaguchi, Keisuke Fujii. 2024. Interpretable Low-Dimensional Modeling of Spatiotemporal Agent States for Decision Making in Football Tactics. *12th International Conference on Sport Sciences Research and Technology Support (icSPORTS 2024)*.

Other Conference Presentations and Posters

1. **Taiga Someya**, Atom Scott, Keisuke Fujii, Hidehisa Akiyama, Tomoharu Nakashima, Hitomi Yanaka. 2024. FootballGPT: Counterfactual Evaluation With a Foundation Model for Football. *Opta Forum*. [Poster]

Awards and Honors

Outstanding Achievement Award (Ha) 2025

National Institute of Advanced Industrial Science and Technology (AIST) KAKUSEI Project
Selected as one of three top performers among 30+ participants in the prestigious deep tech talent development program

Best Paper Award 2024

LREC-COLING 2024 International Conference
Selected from 1,554 submissions (0.06% acceptance rate) for outstanding contributions to computational linguistics

MITOU IT Super Creator 2024

Japan's Ministry of Economy, Trade and Industry
One of approximately 20 creators selected annually from 200+ applicants nationwide for exceptional IT project development

Committee Special Award 2024, 2025

The Association for Natural Language Processing Annual Conference (Japan)
Awarded for exceptional research contributions in Japanese NLP (received in consecutive years)

Fujitsu Award 2024

The Association for Natural Language Processing Annual Conference (Japan)
Industry-sponsored award recognizing outstanding practical applications in NLP research

Excellence Award 2023

Sports Data Science Competition Soccer Division
Second place in soccer analytics track, selected from 50+ participating teams

Demo Day Award 2023

The University of Tokyo Todai to Texas Program
Selected for best entrepreneurial pitch among graduate student participants

Student Incentive Award 2023

Japan Society for Artificial Intelligence (JSAI) Annual Conference
Awarded for innovative AI research presentation

Grants and Fellowships

ANRI Fellowship 2025–2026
Research Grant

Advanced AI Talent Development to Lead the Next-Generation Intelligent Society (BOOST NAIS) 2024–2027
Research Grant

JSPS Research Fellowships for Young Scientists (DC2) 2025–2027
Research Grant (Declined due to acceptance of BOOST NAIS)

Fostering Advanced Human Resources to Lead Green Transformation (SPRING GX) 2024–2027
Research Grant (Declined and transferred to BOOST NAIS)

MITOU Program Exploratory IT Human Resources Project	2023–2024
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KAKUSEI Project Deep Tech Talent Development Program National Institute of Advanced Industrial Science and Technology (AIST)	2023–2024
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Industry Experience

ELYZA Inc. AI Engineer (Intern)	Tokyo, Japan April 2021 – April 2024
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Cookpad Inc. R&D Engineer (Intern)	Tokyo, Japan September 2022 – November 2022
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Teaching Experience

Teaching Assistant <i>NLP Application</i> (Graduate School of Information Science and Technology) <i>Introduction to Linguistics</i> (Graduate School of Arts and Sciences)	The University of Tokyo September 2024 – March 2025 April 2022 – September 2022
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Programming Skills

Languages: Python, JavaScript/TypeScript, C++, R

Machine Learning: PyTorch, TensorFlow

Web Development: HTML/CSS

Tools & Platforms: Git, Docker, AWS, Linux

Software/Other Projects

Smart Goal
Training Data Analysis System for Soccer Goalkeepers
Demo: <https://www.youtube.com/watch?v=2AKuOxyUSBs&t=909s>