

# Taiga Someya

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## Current Position

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### Ph.D. Student

Department of Language and Information Sciences

The University of Tokyo  
April 2024 – March 2027 (expected)

### Visiting Scholar

Center for Data Science (Host: Prof. Tal Linzen)

New York University (NYU)  
November 2025 – May 2026

## Awards and Honors

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### 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%)

### 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 Today 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

## Research Positions

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### Visiting Scholar

Center for Data Science (Host: Prof. Tal Linzen)

New York University, United States  
November 2025 – May 2026

### Research Visitor

Department of Computer Science (Host: Prof. Ryan Cotterell)

ETH Zürich, Switzerland  
November 2024 – June 2025

**National Institute of Advanced Industrial Science and Technology (AIST)**  
Technical Staff

Tokyo, Japan  
November 2022 – March 2026

**Nagoya University**  
Research Assistant

Nagoya, Japan  
July 2024 – September 2024

**The University of Tokyo**  
Research Staff

Tokyo, Japan  
April 2022 – June 2023

## Education

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**The University of Tokyo**  
Ph.D. Student  
Department of Language and Information Sciences  
Advisor: Prof. Yohei Oseki

Tokyo, Japan  
April 2024 – March 2027 (expected)

**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

## Publications

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### Refereed Conference Articles

1. Masato Mita, **Taiga Someya**, Ryo Yoshida, Yohei Oseki. 2026. Language Acquisition Device in Large Language Models. *ACL 2026*.
2. Ryo Yoshida, Shinnosuke Isono, **Taiga Someya**, Yohei Oseki, Tatsuki Kuribayashi. 2026. An Existence Proof for Language Models That Can Explain Garden-Path Effects via Surprisal. *ACL 2026*.
3. **Taiga Someya**, Tatsuya Ishigaki, Hiroya Takamura. 2025. Live Football Commentary (LFC): A Large-Scale Dataset for Building Football Commentary Generation Models. *INLG 2025*.
4. **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*. [Oral + Panel; Top 0.8%]
5. 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*.
6. **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*.
7. Ryo Yoshida, **Taiga Someya**, Yohei Oseki. 2024. Tree-Planted Transformers: Unidirectional Transformer Language Models with Implicit Syntactic Supervision. *ACL 2024 Findings*.
8. **Taiga Someya**, Tatsuya Ishigaki, Yohei Oseki, Ryo Nagata, Hiroya Takamura. 2024. Leveraging Player Embeddings for Soccer Event Prediction. *IT4PSS Workshop at IJCAI 2024*.
9. **Taiga Someya**, Yushi Sugimoto, Yohei Oseki. 2024. JCoLA: Japanese Corpus of Linguistic Acceptability. *LREC-COLING 2024*.
10. **Taiga Someya**, Ryo Yoshida, Yohei Oseki. 2024. Targeted Syntactic Evaluations on the Chomsky Hierarchy. *LREC-COLING 2024*. [Best Paper Award]
11. **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. *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]

### Grants and Fellowships

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<b>Shaka Kachi RISE PROJECT (SMFG)</b> Research Grant	2026–2030
<b>ANRI Fellowship</b> Research Grant	2025–2026
<b>Advanced AI Talent Development to Lead the Next-Generation Intelligent Society (BOOST NAIS)</b> Research Grant	2024–2027
<b>JSPS Research Fellowships for Young Scientists (DC2)</b> Research Grant (Declined due to acceptance of BOOST NAIS)	2025–2027
<b>Fostering Advanced Human Resources to Lead Green Transformation (SPRING GX)</b> Research Grant (Declined and transferred to BOOST NAIS)	2024–2027
<b>MITOU Program</b> Exploratory IT Human Resources Project	2023–2024
<b>KAKUSEI Project Deep Tech Talent Development Program</b> National Institute of Advanced Industrial Science and Technology (AIST)	2023–2024

### Invited Talks

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- Language in Humans and Machines: Insights from Linguistic and Information-Theoretic Approaches. UCI Language Processing Group. March 2026.
- Targeted Syntactic Evaluation on the Chomsky Hierarchy. NLP Colloquium. August 2024.

### Industry Experience

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<b>ELYZA Inc.</b> AI Engineer (Intern)	Tokyo, Japan April 2021 – April 2024
<b>Cookpad Inc.</b> R&D Engineer (Intern)	Tokyo, Japan September 2022 – November 2022

### Teaching Experience

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<b>Teaching Assistant</b> <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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### Reviewer

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- ACL Rolling Review. Reviewer. 2025–Present.
- Workshop on Cognitive Modeling and Computational Linguistics. Reviewer. 2025.
- International Joint Conference on Artificial Intelligence (IJCAI). Reviewer. 2024.
- International Natural Language Generation Conference (INLG). Reviewer. 2024.

### Programming Skills

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