

## Current Position

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**Ph.D. Student**  
Department of Linguistics

Georgetown University  
August 2025 – May 2030 (expected)

## Research Interests

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- Computational and information-theoretic models of sentence processing
- Syntactic theories and parsing

## Education

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**Georgetown University**  
Ph.D. Student  
Department of Linguistics  
Advisor: Prof. Ethan Gotlieb Wilcox

Washington, D.C., USA  
August 2025 – May 2030 (expected)

**The Graduate University for Advanced Studies, SOKENDAI**  
Ph.D. Student  
National Institute for Japanese Language and Linguistics (NINJAL)  
Advisor: Prof. Yusuke Kubota

Tokyo, Japan  
April 2025 – August 2025

**The University of Tokyo**  
M.A. in Arts and Sciences  
Department of Language and Information Sciences

Tokyo, Japan  
April 2023 – March 2025

**The University of Tokyo**  
B.A. in Arts and Sciences  
College of Arts and Sciences

Tokyo, Japan  
April 2019 – March 2023

## Publications

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### Refereed Conference Proceedings

1. Ryo Yoshida, Shinnosuke Isono, **Kohei Kajikawa**, Taiga Someya, Yushi Sugimoto, and Yohei Oseki. [If Attention Serves as a Cognitive Model of Human Memory Retrieval, What is the Plausible Memory Representation?](#). *Proceedings of the 63rd Annual Meeting of the Association for Computational Linguistics (ACL)*, 2025.
2. **Kohei Kajikawa**, Yusuke Kubota, and Yohei Oseki. [Is Structure Dependence Shaped for Efficient Communication?: A Case Study on Coordination](#). *Proceedings of the 28th Conference on Computational Natural Language Learning (CoNLL)*, 2024. **[Best Paper Award]**
3. **Kohei Kajikawa**, Ryo Yoshida, and Yohei Oseki. [Dissociating Syntactic Operations via Composition Count](#). *Proceedings of the 46th Annual Meeting of the Cognitive Science Society (CogSci)*, 2024. **[Oral]**
4. Shinnosuke Isono, Takuya Hasegawa, **Kohei Kajikawa**, Koichi Kono, Shiho Nakamura, and Yohei Oseki. [Formalizing Argument Structures with Combinatory Categorical Grammar](#). *Lecture Notes in Computer Science*, 2023.

## Refereed Conference Abstracts

1. **Kohei Kajikawa** and Ethan Gotlieb Wilcox. Spillover as Rational Processing Delay in Sentence Comprehension. *HSP2026*.
2. Shinnosuke Isono and **Kohei Kajikawa**. Grammar as logic, processing as deduction, actions as theorems, states as propositions. *CPL2025*.
3. **Kohei Kajikawa** and Shinnosuke Isono. Syntactic Node Count as Index of Predictability. *CPL2025*.
4. **Kohei Kajikawa\***, Shinnosuke Isono\*, Yushi Sugimoto\*, Masayuki Asahara, and Yohei Oseki. Exploring spatial and temporal dynamics of language comprehension in the brain with CCG. *CogSci2025*. (\*=equal contribution)
5. **Kohei Kajikawa**. Analyzing Japanese Cleft Construction in Combinatory Categorical Grammar. *LENLS2023*.

## Invited Articles

1. **Kohei Kajikawa**. Exploring New Frontiers in Computational Psycholinguistics: Testing the Efficient Communication Hypothesis. *Natural Language Processing*, 2025.

## Manuscripts and Theses

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1. **Kohei Kajikawa** and Shinnosuke Isono. [The Dual Nature of Syntactic Node Count: Facilitating and Inhibiting Sentence Comprehension](#). PsyArXiv preprint, 2026.
2. Shinnosuke Isono, **Kohei Kajikawa**, Yohei Oseki, and Masayuki Asahara. [Modeling memory effects in a head-final language with category locality](#). PsyArXiv preprint, 2025.
3. Kai Nakaishi, Ryo Yoshida, **Kohei Kajikawa**, Koji Hukushima, and Yohei Oseki. [Rethinking the Relationship between the Power Law and Hierarchical Structures](#). arXiv preprint, 2025.
4. **Kohei Kajikawa**. Structure Dependence is Shaped for Efficient Communication. M.A. Thesis, The University of Tokyo, 2025.
5. **Kohei Kajikawa**. Incremental Semantic Composition as Psycholinguistically Plausible Strategy. B.A. Thesis, The University of Tokyo, 2023.

## Invited Presentations

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### Invited Colloquia

- Is Structure Dependence Shaped for Efficient Communication?: A Case Study on Coordination. NLP colloquium. Online, 2025.

## Grants and Awards

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### Awards

<b>Director's Award</b>	2025
National Institute for Japanese Language and Linguistics	
<b>Young Researcher Encouragement Award</b>	2025
National Institute for Japanese Language and Linguistics	
<b>Best Paper Award</b>	2024
CoNLL 2024	

<b>Young Researcher Encouragement Award</b>	2025
The Association for Natural Language Processing Annual Conference (Japan)	
<b>Committee Special Award</b>	2024, 2025
The Association for Natural Language Processing Annual Conference (Japan)	
Awarded for exceptional research contributions in Japanese NLP (received in consecutive years)	

## Grants

<b>Travel Grant for Computational Psycholinguistics Meeting 2025</b>	2025
Supported by MultipleYEY COST Action	
<b>Travel Grant for Computational Psycholinguistics Meeting 2025</b>	2025
Supported by the Department of Linguistics, Georgetown University	
<b>JSPS Research Fellowships for Young Scientists (DC1)</b>	2025–2028
JPY 200K/month + JPY 3.9M (research grant over 3 years)	
Declined the fellowship upon accepting an offer to pursue doctoral training abroad.	

## Research Positions

<b>Research Assistant</b>	Georgetown University
Supervisor: Prof. Ethan Gotlieb Wilcox and Prof. Nathan Schneider	August 2025 – Present
<b>Research Assistant</b>	NINJAL
Supervisor: Prof. Yusuke Kubota	May 2025 – August 2025
<b>Research Fellow (DC1)</b>	SOKENDAI
Advisor: Prof. Yusuke Kubota	April 2025 – August 2025
<b>Technical Staff</b>	NINJAL
Supervisor: Prof. Yusuke Kubota	June 2023 – May 2025

## Teaching Experience

<b>Teaching Assistant</b>	The University of Tokyo
<i>Introduction to Natural Language Processing</i> (College of Arts and Sciences)	October 2024 – March 2024
<i>Language of Humans and AI</i> (College of Arts and Sciences)	April 2024 – September 2024
<i>Linguistics as Cognitive Science</i> (College of Arts and Sciences)	April 2023 – September 2023

## Reviewer

- CoNLL2025 (outstanding reviewer), LREC2026