

YUDAI URABE
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<https://yudaiurabe.github.io/>

BACKGROUND

Research Interests

Partial Evaluation, Semantics of Quotation, History of Science

University of Tsukuba

Master's Student, Department of Computer Science

Ibaraki, Japan

April 2026 -

National Institute for Japanese Language and Linguistics (NINJAL)

Technical Assistant in Computational Linguistics

Tokyo, Japan

Nov 2025 -

Institute of Science Tokyo

(renamed from Tokyo Institute of Technology on October 1, 2024)

Graduate Research Student, the Department of Mathematical and Computing Science

Tokyo, Japan

May 2024 - Sep 2025

Waseda University

Bachelor of Human Sciences

Saitama, Japan

Major in History and Philosophy of Science, Minor in Computer Science

April 2020 - March 2024

Research Internships

NII (Tokyo, November 2022 - April 2023), UC Davis (Online, September 2023 - November 2023), Tufts University (Hybrid, November 2024 - July 2025)

RESEARCH

[1] Master's Thesis on Partial Evaluation (WIP)

- March 2028 (planned) at Programming Logic Group at University of Tsukuba

[2] Translation (WIP)

- Translating "A Case for Feminism in Programming Language Design" (SPLASH 2024 Onward! Essays)

[3] **Yudai Urabe.**

- "The Potential of History of Science in Computer Science With a Report on PPL2026": Article (Invited)

August 2026 (planned).

[4] **Yudai Urabe.**

- "Quasi-Quotation in Functional Programming Languages and Natural Language": Poster

- JSSST Workshop on Programming and Programming Languages (PPL'26).

March 2026, Takamatsu, Japan.

[5] **Yudai Urabe, Toraki Kodama.**

- "On the Reception of Quine's 'Gavagai' in Linguistics": Presentation

- Linguistics Festival 2026.

February 2026, Online.

[6] **Yudai Urabe.**

- "Programming Languages As a Lens on Natural Language: An Attempt": Presentation

- Special Interest Group on Programming Experience (SIGPX11).

October 2025, Tokyo, Japan.

[7] **Yudai Urabe, Guannan Wei, Youyou Cong.**

- "Toward Static Analysis for Programs with Effect Handlers by Abstracting Abstract Machines": Poster

- JSSST Workshop on Programming and Programming Languages (PPL'25).

March 2025, Gamagori, Japan.

[8] **Yudai Urabe.**

- "C.A.R. Hoare's Research in the 1960s and the Emergence of Computer Science as a Discipline: Exploring the Application of Historical Studies to Theoretical Computer Science"
- Workshop on the History of Science, History of Technology, and Science, Technology, and Society(STS).
April 2024, Tokyo, Japan.

[9] **Yudai Urabe.**

- "C.A.R. Hoare's Research in the 1960s and the Emergence of Computer Science as a Discipline": Thesis
- Graduation Thesis at Waseda University
March 2024, Saitama, Japan.

[10] **Yudai Urabe**, Kazuki Maeyama, Towa Suda.

- "Analysis of the Vocabulary Distribution of Chapters and the Relationship between Chapters in Russell's *The History of Western Philosophy*"
- The 85th National Convention of Information Processing Society of Japan.
March 2023, Tokyo, Japan.

HONORS

Young Researcher Encouragement Award

National Institute for Japanese Language and Linguistics (NINJAL) June 2026

Best Poster Award (2 awardees among 107)

The 28th Programming and Programming Languages Workshop (PPL 2026) March 2026

Valedictorian

Waseda University March 2024

Okuma Memorial Scholarship

Awarded to the top 2 students in a grade (out of 560 students) 2020-2021, 2021-2022, 2023-2024

Azusa Ono Memorial Scholarship

Awarded to students with academic excellence 2021-2022

OTHERS

Student Volunteer

- FLOPS (planned) May 2026
- Evidence-based Linguistics Workshop 2026 (planned) September 2026
- Second Research Meeting of the Advanced Language Science (EP) Research Center
"Exploring Next-Generation Theories of Language" March 2026
- PLDI Student Volunteer June 2025
- Functional Programming Festival Volunteer Staff June 2025
- The History of Science Society of Japan, 70th Annual General Meeting May 2023
- ICFP Student Volunteer September 2023

Teaching Experience

Logic and Formalization. Instructor: Prof. Yuki Yoshi Kameyama
University of Tsukuba, Ibaraki, Japan. Spring 2026

Natural Language

Japanese (native), English (fluent, C1), Chinese (reading knowledge, B2)

Activities and Interests

Mathematics club, Programming club, Philosophy club, Reading, Fishing, Othello (2nd kyu)