

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

BACKGROUND

Research Interests

Partial Evaluation, Semantics, 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 for 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

Best Poster Award (1/107)

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

Natural Language

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

Activities and Interests

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