

YUDAI URABE
yu-urabe@ninjal.ac.jp
<https://yudaiurabe.github.io/>

BACKGROUND

National Institute for Japanese Language and Linguistics <i>technical assistant in Computational Linguistics</i>	Tokyo, Japan Nov 2025 -
Institute of Science Tokyo (renamed from Tokyo Institute of Technology on October 1, 2024) <i>Graduate Research Student in the Department of Mathematical and Computing Science</i>	Tokyo, Japan May 2024 - Sep 2025
Waseda University <i>Bachelor of Human Sciences</i> <i>Major in History and Philosophy of Science, Minor in Computer Science</i>	Tokyo, Japan April 2020 - March 2024

RESEARCH EXPERIENCE

Research Project(Toward Static Analysis for Programs with Effect Handlers by Abstracting Abstract Machines) Hybrid
Academic advisor: Guannan Wei(INRIA/Tufts University), Youyou Cong(Science Tokyo) November 2024- July 2025

History and Philosophy of Science Lab,
Waseda University, Thesis Student Saitama, Japan
Academic advisor: Shigeo Kato April 2021- March 2024

- Thesis: "C.A.R. Hoare's Research in the 1960s and the Emergence of Computer Science as a Discipline"

Research Project (Applications of Derivatives of Regular Expressions),
University of California, Davis Online
Academic advisor: Caleb Stanford September 2023-November 2023

Uno Takeaki Lab,
National Institute of Information (NII), Principles of Informatics Research Division Tokyo, Japan
Academic advisor: Kazuki Maeyama, Towa Suda November 2022-April 2023

PRESENTATION

- [1] **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*" March 2023, Tokyo, Japan.
- The 85th National Convention of Information Processing Society of Japan.
- [2] **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" April 2024, Tokyo, Japan.
- Workshop on the History of Science, History of Technology, and Science, Technology, and Society(STS).
- [3] **Yudai Urabe**, Guannan Wei, Youyou Cong. "Toward Static Analysis for Programs with Effect Handlers by Abstracting Abstract Machines" March 2025, Gamagori, Japan.
- JSSST Workshop on Programming and Programming Languages (PPL'25).
- [4] **Yudai Urabe**. "Programming Languages As a Lens on Natural Language: An Attempt" October 2025, Tokyo, Japan.
- Special Interest Group on Programming Experience(SIGPX11).

SCHOLARSHIP

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

SKILLS, SERVICE, AND INTERESTS

Student Volunteer

ICFP Student Volunteer

September 2023

The History of Science Society of Japan, 70th Annual General Meeting

May 2023

Functional Programming Festival Volunteer Staff

June 2025

PLDI Student Volunteer

June 2025

Natural Language

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

Programming

Python, OCaml, Isabelle/HOL, Scala, C, Java

Activities and Interests

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