

Evan Donahue

Curriculum Vitae
September, 2023

evan.donahue@tc.u-tokyo.ac.jp

Employment

2021-Present Postdoctoral Researcher
University of Tokyo

Education

Ph.D. Computational Media, Arts & Cultures
Duke University, 2021
Certificates in Information Science & Studies, College Teaching, &
Teaching Writing in the Disciplines
Thesis: *Android Linguistics: How Machines Do Things With Words*

Sc.B. Computer Science/Mathematics (Hons.)
Brown University, 2011
Thesis: *Searching for the Blackbox: Unsupervised Recovery of Relational Schema from Unstructured Airplane Crash Reports*

B.A. Modern Culture & Media (Hons.)
Brown University, 2011
Thesis: *The Man In The Mask: Artistic Practice At The Edge Of Terror*

Grants, Awards & Honors

2023	Data Fluencies Grant (Collaborator)	Mellon Foundation
2022	Mant Prize for Innovation in Introspective Interpreters	
2020	Evan Frankel Fellow Bass Fellow Instructor of Record Bass Digital Education Fellow (Declined)	Duke University
2019	Learning Innovation Coursera Fellow X-Force Fellow 1 st place, Hacking4Defense Demo Day	Coursera Inc. U.S. DoD Duke University
2018	HASTAC Scholar	HASTAC
2016	PhD Lab in Digital Knowledge Fellow 2 nd place, Digital Humanities Software Competition	Duke University
2015	Summer Research Fellow	
2014	J.B. Duke Fellow University Scholars Fellow	
2012	1 st place, Disaster Preparedness Software Competition	U.S. HHS Dept.
2011	<i>magna cum laude</i> $\phi\beta\kappa$	Brown University

Publications

Peer Reviewed

- 2023 Donahue, Evan. Forthcoming. “Goals as Constraints: Writing miniKanren Constraints in miniKanren.” In *Proceedings of the 2023 miniKanren and Relational Programming Workshop*. Seattle.
- Donahue, Evan. “All The Microworld’s A Stage: Realism in Interactive Fiction and Artificial Intelligence.” *American Literature* 95. no. 2 (2023). [Link](#)
- 2022 Donahue, Evan. 2022. “Efficient Variational Inference in miniKanren with Weighted Model Counting.” In *Proceedings of the 2022 miniKanren and Relational Programming Workshop*, Ljubljana. [Link](#)

- 2021 Donahue, Evan. 2021. “Guarded Fresh Goals: Dependency-Directed Introduction of Fresh Logic Variables.” In *Proceedings of the 2021 miniKanren and Relational Programming Workshop*, Virtual, 2021, 74-88. Mississauga: University of Toronto Mississauga. [Link](#)
- Donahue, Evan. “Theseus in the Epistemic Labyrinth: A Critical History of the Semantic Differential Method and the Apparent Weight of Color.” *Machine Intelligences in Context: Beyond the Technological Sublime*, special issue of *Culture Machine* 20, no. 1 (2021). [Link](#)

Invited Talks

- 2023 Donahue, Evan. “Word2Vec & Validation.” Experimental Algorithmic Futures Working Group, 2023, Simon Fraser University, Vancouver.
- Donahue, Evan. “What Do We Mean When We Say Language Models Are Biased?” Franklin Humanities Institute, 2023, Duke University, Durham.

Conference Presentations

- 2023 Donahue, Evan. “Why does NLP Work?: Word2Vec and the Search for Linguistic Theory in a Computational World.” Technolinguistics in Practice: Socially Situating Language in AI Systems, 2023, University of Siegen in Siegen, Germany. Conference Presentation.
- 2022 Donahue, Evan. “Simulated Worlds: Games, AI, and Microworlds Research.” Society for Social Studies of Science Annual Conference, 2022, Universidad Iberoamericana-Puebla in Cholula, México. Conference Presentation.
- 2021 Donahue, Evan. “Speaking their Minds: Language as Thought in the Early History of Artificial Intelligence.” Society for Social Studies of Science Annual Conference, 2021, Sheraton Centre Toronto Hotel, Toronto. Conference Presentation.
- Donahue, Evan. “The Common Sense Informatic Situation: Towards an Android Linguistics.” Theoretical and Foundational Problems in Information Studies, Summit of the International Society for the Study of Information, 2021, Online. Conference Presentation.

- Donahue, Evan. "Between The Lines: Identifying "Bias" in Language and Code." Society for Cinema and Media Studies Annual Conference, March 2021. Conference Presentation.
- Donahue, Evan. "Artificial Intelligence *as* Literature." Modern Language Association Annual Conference, January 2021. Conference Presentation.
- 2019 Donahue, Evan. "Theory of Games: Games as Experimental Technologies in Artificial Intelligence Research." Society for Literature, Science, and the Arts Annual Conference, November 2019, University of California, Irvine, CA. Conference Presentation.
- Donahue, Evan. "The Wizard's Curse Played On: Searching for Tragedy in Bob Dylan's *Tempest*." Only You and Your Ghost Will Know: Music, Death & Afterlife, MoPOP Pop Conference, April 2019, Museum of Popular Culture, Seattle, WA. Conference Presentation.
- 2018 Donahue, Evan. "High Resolution Realities: Microworlds and Metanarratives in Artificial Intelligence." States of Emergence, American Studies Association Annual Conference, August 2019, Marriott Hotel, Philadelphia, PA. Conference Presentation.
- 2011 Donahue, Evan. "Walking the Talk: Technology, Terror, and Art as a Criminal Act." Imagination, Reparation, Transformation, American Studies Association Annual Conference, October 2011, Hilton Hotel, Baltimore, MD. Conference Presentation.

Editor Reviewed

- 2022 Donahue, Evan. "Towards an Android Linguistics: Pragmatics, Reflection, and Creativity in Machine Language." *Proceedings of Theoretical and Foundational Problems in Information Studies* 81, no. 1 (July 2022). [Link](#)
- 2020 Donahue, Evan. "John McCarthy." *Encyclopedia of Artificial Intelligence: The Past, Present, and Future of AI*, edited by Michael Klein and Philip Frana, ABC-CLIO, 2020.
- Donahue, Evan. "Summary of White Paper on Artificial Intelligence: A European Approach to Excellence and Trust." SciPol, 2020, scipol.org/track/white-paper-artificial-intelligence-european-approach-excellence-and-trust.

- Donahue, Evan. "Summary of the National Artificial Intelligence Research and Development Strategic Plan: 2019 Update." SciPol, 2020, scipol.org/track/national-artificial-intelligence-research-and-development-strategic-plan-2019-update.
- 2016 Donahue, Evan. "The Last Ship Sails: Raising the Titanic from Black Diamond Bay." *Lute & Drum*, vol. 7, no. 1, 2016.

Media & Interviews

- 2019 Donahue, Evan. Interview by Liza Yeager, *Raising Devendra*, Invisibilia, National Public Radio, September 2019.

Teaching

Instructor of Record

- 2022 Linguistics and Society in the Digital Age (Co-Taught)
2022 Introduction to Identity Studies (Co-Taught)
2022 Global Education for Innovation and Leadership (Co-Taught)
2021 Humanities Text Mining
2018 History of Artificial Intelligence

Teaching Assistant

- 2017, 2016 Fundamentals of Web-Based Multimedia Communications
2015 Experimental Interface Design
2011 Creating Modern Web Applications
2011, 2010 Introduction to Computational Linguistics
2009 Introduction to Machine Learning

University Service

- 2023 miniKanren 5th Annual Relational Programming Workshop
Program Committee
Technolinguistics in Practice: Socially Situating Language in
AI Systems Conference Organizing Committee

- 2019 Project Managed Student/Faculty Summer Textmining
Research Project on War Profiteering in American
History
- 2018 Co-Founded Duke Text Mining Collaboratorye
- 2020 Strategic Education Sessions on Research, Translation, and
Commercialization with the Duke University Board of
Trustees Graduate Student Representative
- 2017, 2015 University Scholars Interview Committee

Languages

Natural Languages

Japanese Latin

Programming Languages

Bash C HTML/CSS Java Javascript Prolog Lisp Matlab miniKanren Python
Scheme Smalltalk SQL