

Millicent Li

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EDUCATION **Northeastern University**, Boston, MA 2022 - Present
Ph.D. in Computer Science
NSF Graduate Research Fellowship, Khoury PhD Fellowship
Advisor: Byron Wallace

University of Washington, Seattle, WA 2017 - 2021
B.Sc. in Computer Science
Advisors: Noah Smith, Shwetak Patel

PUBLICATIONS AND TALKS

Peer Reviewed Publications

- [1] Mueller, A., Brinkmann, J., ..., **Li, M.**, ... Belinkov Y. The Quest for the Right Mediator: Surveying Mechanistic Interpretability for NLP Through the Lens of Causal Mediation Analysis. Computational Linguistics 2025.
- [2] **Li, M.**, Chen, T., Van Durme, B., Xia, P. Multi-Field Adaptive Retrieval. ICLR 2025, Spotlight (top 5%).
- [3] Todd, E., **Li, M.**, Sen Sharma, A., Mueller, A., Wallace, B., Bau, D. Function Vectors in Large Language Models. ICLR 2024.
- [4] Shaib, C., **Li, M.**, Sebastian, J., Marshall, I., Li, J., Wallace, B. Summarizing, Simplifying, and Synthesizing Medical Evidence using GPT-3 (with Varying Success). ACL 2023.
- [5] P. S. Ruth, J. Cao, **M. Li**, J. Sunshine, E. Wang, S. Patel. Multi-Channel Facial Photoplethysmography Sensing. EMBC 2020.

Preprints

- [P1] **Li, M.**, Ceballos-Arroyo, A., Rogers, G., Saphra, N., Wallace, B. Do Natural Language Descriptions of Activations Convey Privileged Information? In Submission to ICLR 2026.
- [P2] AlKhamissi, B.*, **Li, M.***, Celikyilmaz, A.^, Diab, M.^, and Ghazvininejad, M. A Review on Language Models as Knowledge Bases. ArXiv 2022. * denotes equal contribution, ^denotes equal supervision

Talks

- [A] *Do Natural Language Descriptions of Activations Convey Privileged Information?* Northeastern University. July 2025, September 2025.
- [B] *Continuous Arterial Blood Pressure Prediction with Deep Learning Algorithms.* UW Undergraduate Research Symposium. May 2020.

INDUSTRY EXPERIENCE **Microsoft Semantic Machines** June 2024 - September 2024
Research Intern
Mentors: Patrick Xia, Tongfei Chen

Facebook AI Research August 2021 - September 2022
AI Resident
Mentors: Marjan Ghazvininejad, Mike Lewis

	Microsoft Research Research Intern Mentor: Tristan Naumann	May 2021 - July 2021
	Google Software Engineering Intern	June 2020 - Sep. 2020
	Google Engineering Practicum Intern	June 2019 - Sep. 2019
HONORS	Khoury PhD Fellowship NSF Graduate Research Fellowship NSF Graduate Research Fellowship Honorable Mention Washington Research Foundation Fellowship Mary Gates Research Scholarship Google Grace Hopper Travel Scholarship Paul G. Allen School Grace Hopper Travel Scholarship Washington NASA Space Grant Finalist Washington State Opportunity Scholarship Denice Dee Denton Endowment Scholarship Anderson Family Endowed Scholarship Google Endowed Scholarship NCWIT Seattle and West Affiliate Award Winner	2022 - 2023 2022 - 2027 2021 2020 2020 2019 2018 2017 2017 2017 2017 2017 2017
Service and Volunteering	Reviewer for ICLR 2026 Khoury PhD Application Student Reviewer UW CSE Student Advisory Council At-Large Representative <ul style="list-style-type: none"> Advocate for undergraduate students in the computer science department over ethics, diversity, and outreach through events and action Chaired the Undergraduate Research Panel to encourage 30+ undergraduates to pursue research in computing Adapted undergrads to online courses through COVID-19 initiatives 	2025 2022, 2023 June 2019 - March 2021
	UW Undergraduate Research Program Undergraduate Research Leader <ul style="list-style-type: none"> Provide outreach to First-Year Interest Groups (FIGs) about undergraduate research through presentations and answering questions. 	Aug. 2020 - March 2021
TEACHING EXPERIENCE	Instructor UW CSE 590U, Ubiquitous Computing Seminar (PhD)	Fall 2020, Winter 2021
	Teaching Assistantships UW CSE 351, Hardware/Software Interface UW CSE 332, Data Structures and Algorithms UW CSE 142, Introduction to Programming	Fall 2019, Spring 2020 Winter 2020 Fall 2018, Winter 2018
	Curriculum Development Microsoft edX: Introduction to Device Programming	Winter 2018
	Other Teaching	

