# Millicent Li

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### EDUCATION

# Northeastern University, Boston, MA

Sep. 2022 - Present

Ph.D. in Computer Science

NSF Graduate Research Fellowship, Khoury Ph.D. Fellowship

Advisor: Byron Wallace

# University of Washington, Seattle, WA

2017 - 2021

B.Sc. in Computer Science

Advisors: Noah Smith, Shwetak Patel

### **PUBLICATIONS** Peer Reviewed Publications

### AND TALKS

- [1] Todd, E., **Li, M.**, Sen Sharma, A., Mueller, A., Wallace, B., Bau, D. LLMs Represent Contextual Tasks as Compact Function Vectors. ICLR 2024.
- [2] 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.
- [3] P. S. Ruth, J. Cao, M. Li, J. Sunshine, E. Wang, S. Patel. Multi-Channel Facial Photoplethysmography Sensing. EMBC 2020.

### **Preprints**

- [P1] Li, M., Chen, T., Van Durme, B., Xia, P. Multi-Field Adaptive Retrieval. In submission to ICLR 2025.
- [P2] Mueller, A., Brinkmann, J., ..., Li, M., ... Belinkov Y. The quest for the right mediator: A history, survey, and theoretical grounding of causal interpretability. In submission to TMLR (2024).
- [P3] 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] 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

### Microsoft Research

May 2021 - July 2021

Research Intern

Mentor: Tristan Naumann

### Facebook AI Research

August 2021 - September 2022

AI Resident

Mentors: Marjan Ghazvininejad and Mike Lewis

# Google

June 2020 - Sep. 2020

Software Engineering Intern

# Engineering Practicum Intern

HONORS	Khoury PhD Fellowship	2022 - 2023
	NSF Graduate Research Fellowship	2022 - 2027
	NSF Graduate Research Fellowship Honorable Mention	2021
	Washington Research Foundation Fellowship	2020
	Mary Gates Research Scholarship	2020
	Google Grace Hopper Travel Scholarship	2019
	Paul G. Allen School Grace Hopper Travel Scholarship	2018
	Washington NASA Space Grant Finalist	2017
	Washington State Opportunity Scholarship	2017
	Denice Dee Denton Endowment Scholarship	2017
	Anderson Family Endowed Scholarship	2017
	Google Endowed Scholarship	2017
	NCWIT Seattle and West Affiliate Award Winner	2017

### **LEADERSHIP**

# **UW CSE Student Advisory Council**

June 2019 - March 2021

At-Large Representative

- Advocate for undergraduate students in the computer science department over ethics, diversity, and outreach through events and action
- $\bullet$  Chaired the Undergraduate Research Panel to encourage 30+ undergraduates to pursue research in computing
- Adapted undergrads to online courses through COVID-19 initiatives

## UW Undergraduate Research Program

Aug. 2020 - March 2021

Undergraduate Research Leader

• Provide outreach to First-Year Interest Groups (FIGs) about undergraduate research through presentations and answering questions.

#### TEACHING EXPERIENCE

### Instructor

**EXPERIENCE** CSE 590U, Graduate Ubiquitous Computing Seminar Fall 2020, Winter 2021

# Teaching Assistantships

CSE 351, Hardware/Software Interface	Fall 2019, Spring 2020
CSE 332, Data Structures and Algorithms	Winter 2020
CSE 142, Introduction to Programming	Fall 2018, Winter 2018

# Curriculum Development

Microsoft edX: Introduction to Device Programming Winter 2018

# Other Teaching

AID Taiwan Volunteer English Teacher Summer 2018