

Belinda Z. Li

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Education

Massachusetts Institute of Technology

2020 –

PhD student, Electrical Engineering and Computer Science

- GPA: 5.0/5.0

- Advisor: Jacob Andreas

University of Washington

2015 – 2019

Bachelors of Science, Computer Science, Magna Cum Laude

- Cumulative GPA: 3.95 / 4.0, Major GPA: 3.96 / 4.0

- Advisor: Luke Zettlemoyer

Publications

Peer-Reviewed Publications

- [1] Nayeon Lee, **Belinda Z. Li**, Sinong Wang, Pascale Fung, Hao Ma, Wen-tau Yih, and Madian Khabsa. “[On Unifying Misinformation Detection](#)”. In: *Proceedings of the 2021 Conference on North American Chapter of the Association for Computational Linguistics (NAACL)*. Online: Association for Computational Linguistics, May 2021.
- [2] **Belinda Z. Li**, Sewon Min, Srinivasan Iyer, Yashar Mehdad, and Wen-tau Yih. “[Efficient One-Pass End-to-End Entity Linking for Questions](#)”. In: *Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP)*. Online: Association for Computational Linguistics, Nov. 2020, pp. 6433–6441.
- [3] Nayeon Lee, **Belinda Z. Li**, Sinong Wang, Wen-tau Yih, Hao Ma, and Madian Khabsa. “[Language Models as Fact Checkers?](#)” In: *Proceedings of the Third Workshop on Fact Extraction and VERification (FEVER)*. Association for Computational Linguistics, July 2020, pp. 36–41.
- [4] **Belinda Z. Li**, Gabriel Stanovsky, and Luke Zettlemoyer. “[Active Learning for Coreference Resolution using Discrete Annotation](#)”. In: *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics*. Association for Computational Linguistics, July 2020, pp. 8320–8331.

Preprints

- [5] Qinyuan Ye, **Belinda Z. Li**, Sinong Wang, Benjamin Bolte, Hao Ma, Wen-tau Yih, Xiang Ren, and Madian Khabsa. [On the Influence of Masking Policies in Intermediate Pre-training](#). 2021. arXiv: 2104.08840 [cs.CL].
- [6] Sinong Wang, **Belinda Z. Li**, Madian Khabsa, Han Fang, and Hao Ma. [Linformer: Self-Attention with Linear Complexity](#). 2020. arXiv: 2006.04768 [cs.LG].
- [7] Qinyuan Ye, **Belinda Z. Li**, Sinong Wang, Benjamin Bolte, Hao Ma, Xiang Ren, Wen-tau Yih, and Madian Khabsa. [Studying Strategically: Learning to Mask for Closed-book QA](#). 2020. arXiv: 2012.15856 [cs.CL].

Experience

Research Experience

Massachusetts Institute of Technology

Sep. 2020 –

Research Assistant, with Jacob Andreas

University of Washington

Jan. 2018 – June 2019

Undergraduate Research Assistant, with Luke Zettlemoyer

University of Washington

June 2016 – Aug. 2016

Undergraduate Research Assistant, UW Biological Structures

Industry Experience

Facebook AI

Aug. 2019 – Sep. 2020

Software Engineer, AI Integrity Team (Facebook AI Applied Research)

- Built multi-lingual, multi-modal (image + text) representations for Facebook posts. Shipped to hate speech domain. <https://ai.facebook.com/blog/ai-advances-to-better-detect-hate-speech/>
- Worked on entity linking for questions [2], fake news detection [1, 3], model (Transformer) efficiency [6], and strategic pre-training for QA [5, 7].

Facebook

June 2018 – Aug. 2018

Software Engineer Intern, Bot Detection/Traffic Quality Team

- Worked on automated bot detection using mouse movements.

Teaching & Research Mentorship

Massachusetts Institute of Technology

Undergraduate Research (UROP) Mentor

- Managing the project and leading the undergraduate research experience.

1. Mentee: Nitya Parthasarathy

Sep. 2020 –

Project: identifying and mitigating toxicity in language model outputs.

University of Washington

March 2019 – June 2019

Teaching Assistant, CSE 311: Foundations of Computing I (Discrete Math), with Kevin Zatloukal

- Leading weekly section, designing course section material, hosting office hours and review sessions.

University of Washington

Jan. 2019 – March 2019

Teaching Assistant, CSE 312: Foundations of Computing II (Probability/Statistics), with Martin Tompa

University of Washington

Jan. 2018 – March 2018

Teaching Assistant, CSE 312: Foundations of Computing II (Probability/Statistics), with Martin Tompa

University of Washington

Sep. 2017 – Dec. 2017

Teaching Assistant, CSE 331: Software Design and Implementation, with Kevin Zatloukal

Awards

Academic

NSF Graduate Research Fellowship

Awarded 2021

Ida M. Green Memorial Fellowship

2020 – 2021

ACL Student Scholarship

2020

Denice Dee Denton Scholars Endowment

2018 – 2019

Dean's List

2015 – 2017 (annual), SP18/F18/SP19 (quarterly)
(every eligible quarter)

National Merit Scholar

2016

Service

Program Committee

- Reviewer: COLING 2020, EMNLP 2020

Student Volunteer/Scholarship

- ACL 2020

MIT GAAP Mentor

2020

- Mentoring individuals from underrepresented groups through the graduate application process.

Last Updated

April 27, 2021