

# Belinda Z. Li

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## Education

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### 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

## Industry Experience

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### Facebook AI

June 2021 – Aug. 2021

*Research Intern, AI Integrity Team*

### 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/>

### Facebook

June 2018 – Aug. 2018

*Software Engineer Intern, Bot Detection/Traffic Quality Team*

- Worked on automated bot detection using mouse movements.

## Awards

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### Clare Boothe Luce Graduate Fellowship

2021

### National Defence Science and Engineering Graduate Fellowship

2021

### National Science Foundation Graduate Research Fellowship

2021

### Ida M. Green Memorial Fellowship

2020 – 2021

### Denice Dee Denton Scholars Endowment

2018 – 2019

### Dean's List

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

### National Merit Scholar

2016

## Publications

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### Peer-Reviewed Publications

- [1] **Belinda Z. Li**, Maxwell Nye, and Jacob Andreas. “[Implicit Representations of Meaning in Neural Language Models](#)”. In: *Proceedings of the 59th Annual Meeting of the Association for Computational Linguistics*. Online: Association for Computational Linguistics, June 2021.
- [2] 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 of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies*. Online: Association for Computational Linguistics, June 2021, pp. 5479–5485.
- [3] **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.
- [4] 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.

- [5] **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

- [6] 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].
- [7] Sinong Wang, **Belinda Z. Li**, Madian Khabsa, Han Fang, and Hao Ma. *Linformer: Self-Attention with Linear Complexity*. 2020. arXiv: 2006.04768 [cs.LG].
- [8] 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].

## Invited Talks

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### Implicit representations of meaning in neural language models

Google Deepmind

July 2021

Primer AI

June 2021

### Efficient One-Pass End-to-End Entity Linking for Questions

IE Workshop @ Facebook AI’s 2020 NLP Summit

Aug. 2020

## Teaching & Research Mentorship

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### 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

## Service

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### Program Committee – Reviewer

- EMNLP 2021, 2020

- COLING 2020

### Student Volunteer/Scholarship

- ACL 2021, 2020

### MIT GAAP Mentor

2020

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

## Last Updated

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July 10, 2021