

# JOSHUA ROBINSON

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## RESEARCH INTERESTS

I am interested in evaluating and eliciting capabilities in large, pre-trained sequence models, as well as leveraging insights from interpretability research to develop better model architectures and training/inference strategies.

## EDUCATION

<b>University of Southern California</b> Ph.D. in Computer Science Advisor: Prof. Dani Yogatama Recipient of USC Annenberg Fellowship	August 2022 - Present GPA: 4.0/4.0
<b>Brigham Young University</b> M.S. in Computer Science Advisor: Prof. David Wingate	August 2020 - August 2022 GPA: 4.0/4.0
<b>Brigham Young University</b> B.S. in Statistics (minors in Chinese, Computer Science, and Mathematics)	August 2016 - April 2020 GPA: 4.0/4.0

## SELECTED PUBLICATIONS

- [1] [LocateBench: Evaluating the Locating Ability of Vision Language Models](#)  
Ting-Rui Chiang, **Joshua Robinson**, Xinyan Velocity Yu, Dani Yogatama
- [2] [On Retrieval Augmentation and the Limitations of Language Model Training](#) [NAACL 2024]  
Ting-Rui Chiang, Xinyan Velocity Yu, **Joshua Robinson**, Ollie Liu, Isabelle Lee, Dani Yogatama
- [3] [Leveraging Large Language Models for Multiple Choice Question Answering](#) [ICLR 2023]  
**Joshua Robinson**, Christopher Michael Rytting, David Wingate
- [4] [An Information-theoretic Approach to Prompt Engineering Without Ground Truth Labels](#) [ACL 2022]  
Taylor Sorensen\*, **Joshua Robinson**\*, Christopher Michael Rytting\*, Alexander Glenn Shaw, Kyle Jeffrey Rogers, Alexia Pauline Delorey, Mahmoud Khalil, Nancy Fulda, David Wingate

\* denotes equal contribution

## WORK EXPERIENCE

<b>Zoom</b> AI Research Scientist - Intern	May 2024 - August 2024 Remote
<b>Reka AI</b> Research Intern	May 2023 - August 2023 Remote

## TEACHING EXPERIENCE

- Teaching assistant for Applied Natural Language Processing (CSCI 544) at USC Spring 2025
- Teaching assistant for Machine Learning (CSCI 567) at USC Fall 2023
- Teaching assistant for Introduction to Artificial Intelligence (CS 470) at BYU Fall 2019

## SERVICE & LEADERSHIP

- Reviewer for COLM 2024, 2025; ICLR 2025; ICML 2023, 2024, 2025; NeurIPS 2023, 2024; and SoCal NLP 2022
- Vice President in BYU Data Science Club from September 2018 to April 2019