

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

University of Southern California

Ph.D. in Computer Science

Advisor: Prof. Dani Yogatama

Recipient of USC Annenberg Fellowship

August 2022 - Present

GPA: 4.0/4.0

Brigham Young University

M.S. in Computer Science

Advisor: Prof. David Wingate

August 2020 - August 2022

GPA: 4.0/4.0

Brigham Young University

B.S. in Statistics

Minors in Chinese, Computer Science, and Mathematics

August 2016 - April 2020

GPA: 4.0/4.0

PUBLICATIONS

[1] [On Retrieval Augmentation and the Limitations of Language Model Training](#)

Ting-Rui Chiang, Xinyan Velocity Yu, **Joshua Robinson**, Ollie Liu, Isabelle Lee, Dani Yogatama
arXiv 2023

[2] [Leveraging Large Language Models for Multiple Choice Question Answering](#)

Joshua Robinson, Christopher Michael Rytting, David Wingate
ICLR 2023

[3] [An Information-theoretic Approach to Prompt Engineering Without Ground Truth Labels](#)

Taylor Sorensen*, **Joshua Robinson***, Christopher Michael Rytting*, Alexander Glenn Shaw, Kyle Jeffrey Rogers, Alexia Pauline Delorey, Mahmoud Khalil, Nancy Fulda, David Wingate
ACL 2022

* denotes equal contribution

WORK EXPERIENCE

Reka AI

Research Intern

May 2023 - August 2023

Remote

TEACHING EXPERIENCE

- Teaching assistant for Machine Learning (CSCI 567) at USC Fall 2023
- Teaching assistant for Introduction to Artificial Intelligence (CS 470) at BYU Fall 2019
- Teaching assistant for Advanced Mandarin Chinese (CHIN 302) at BYU Fall 2018, Spring 2019

SERVICE & LEADERSHIP

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