Jacob Johnson

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Education

Ph.D. in Computer Science, University of Utah Fall 2023 – Present
- Advised by Ana Marasović
- Relevant Course: CS 6966 "Local Explanations for Deep Learning"

B.A. in Linguistics, University of Utah Spring 2020 – Spring 2023
- Computer Science minor, Computational Linguistics certificate
- Cumulative GPA of 4.0
- Relevant Courses: CS 5340 "Natural Language Processing", CS 6390 "Information Extraction (from text)", LING 5300 "Computational Linguistics", CS 6353 "Deep Learning", LING 5190 "Psycholinguistics"

Publications

How much Consistency is your Accuracy Worth?
- Accepted to BlackBoxNLP at EMNLP2023
- Coauthored with Ana Marasović
- Introducing *Relative Consistency*, a probabilistic measurement to compare consistency of models at different levels of accuracy

Evaluating a Phonotactic Learner for MITSL-(2,2) Languages
- Presented at SCiL (Society for Computation in Linguistics) 2023 and published in proceedings
- Coauthored with Aniello De Santo
- An implementation and evaluation of MITSL2IA algorithm for learning MITSL_2^2 languages

The Effects of Exposure and Explicit Stereotypes on Veracity Judgments of Polish-Accented English Speech: A Replication and Extension of Boduch-Grabka & Lev-Ari (2021)
- Submitted for publication in 2024 Special Replication Edition of SSLA (Studies in Second-Language Acquisition)
- Coauthored with Rachel Hayes-Harb of Speech Acquisition Lab, and a large team of undergraduates
- A replication study investigating to what effect cognitive load and stereotypical beliefs influence veracity judgements of "accented" speech

Awards/Honors

University of Utah College of Humanities Undergraduate Research Award Spring 2023
Allan A. & Renee Wright Hagander Book Award Fall 2022
University of Utah Presidential Scholarship Spring 2020 - Spring 2023

Teaching Assistant Experience

CS 2420 "Intro to Data Structures and Algorithms" Fall 2021 - Summer 2022
CS 5340 "Natural Language Processing" Fall 2022
CS 4150 "Algorithms" and CS 6390 "Information Extraction (from text)" Spring 2023

Technical Skills

Proficient at Java, C#, and Python (including PyTorch and HuggingFace libraries)
Familiar with Git/GitHub, LaTeX, VScode