

# Jacob Johnson

+1 (801) 824-2215

<https://jacob.ml>

[jacobkj314@gmail.com](mailto:jacobkj314@gmail.com)

## Education

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### Ph.D. in Computer Science, University of Utah

Fall 2023 – Present

- Cumulative GPA of 4.0
- Student of Ana Marasović in UtahNLP research lab
- Relevant Courses: CS 6350 “Machine Learning”, 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

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### 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 learning algorithm for learning MITSL<sub>2</sub> 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)

- Accepted 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
- I substantially contributed to developing the interface for data collection in the online study

## Awards/Honors

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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

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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

## Skills

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Fluent in German

Proficient at Java, C#, and Python (including PyTorch and HuggingFace libraries)

Familiar with Git/GitHub, LaTeX, VScode