

# Jacob Johnson

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## *Work Experience*

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### **Teaching Assistant at University of Utah Kahlert School of Computing** Fall 2021 – Spring 2023

- I taught computer labs, gave feedback on graded assignments, and explained topics to students for a range of undergraduate and graduate computer science courses
- I honed customer service skills and the ability to explain things accurately and helpfully

### **Assistant Aquatics Director at Camp Tifie, BSA** Summer 2021

- I maintained pool equipment, taught swimming and water rescue skills, and performed lifeguarding
- I used customer service and explanation skills for interacting with campers, and physical strength/endurance for equipment maintenance and lifeguarding

### **Production and Picking Associate at Loftus International** May 2020 – March 2021

- I assembled and packaged products and selected products from inventory for orders
- I used physical coordination for assembling small parts, and gained inventory management and navigation skills

## *Education*

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### **M.S. in Computer Engineering, Weber State University** Fall 2024 – Present

- Currently taking Electrical Engineering Prerequisites: ECE 3610 “Digital Systems”, ECE 1270 “Introduction to Electrical Circuits”

### **Ph.D. in Computer Science, University of Utah** Fall 2023 – Spring 2024

- Ended the program early to change topic of interest
- Cumulative GPA of 4.0
- Courses Include: CS 6350 “Machine Learning”, CS 6150 “Graduate Algorithms”

### **B.A. in Linguistics + CS minor, University of Utah** Spring 2020 – Spring 2023

- Cumulative GPA of 4.0
- Courses Include: CS 5340 “Natural Language Processing”, CS 6390 “Information Extraction (from text)”, LING 5300 “Computational Linguistics”, CS 6353 “Deep Learning”

## *Academic Publications*

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### **“Online Learning of ITSL Grammars”**

- Presented at SCiL (Society for Computation in Linguistics) 2024 and published in proceedings
- Coauthored with Aniello De Santo
- I developed, implemented, and evaluated an algorithm for learning ITSL languages

### **“How much Consistency is your Accuracy Worth?” (BlackBoxNLP@EMNLP2023)**

- Presented at BlackBoxNLP at EMNLP2023
- Coauthored with Ana Marasović
- I developed *Relative Consistency*, a probabilistic measurement to compare consistency of models at different levels of accuracy

### **“Evaluating a Phonotactic Learner for MITSL-(2,2) Languages” (SCiL 2023)**

- Presented at SCiL (Society for Computation in Linguistics) 2023 and published in proceedings
- Coauthored with Aniello De Santo
- I implemented and evaluated the 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)”**

- Published in *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
- This paper received a Society for Improving Psychological Science Commendation