

Jacob Johnson

+1 (801) 824-2215

<https://nnnNNnnn.info>

jacob@nnnNNnnn.info

Work Experience

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

Design and Manufacturing Associate at Clean Machine January 2016 – September 2017

- Used SolidWorks for CAD Design and ran Mazak CNC Machines

Education

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

“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 MITSL₂ 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