

# Jacob Johnson

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## Overview

Fluent in Python, proficient with NumPy library, familiar with Flask library  
Familiar with VHDL, Java, C#, HTML and assembly  
Native English Speaker, Proficient at German, Basic Spanish

## Work Experience

**Cashier at Smiths Food and Drug (40hrs/wk)** August 2024 – Present  
I manage a self checkout aisle and assist customers.

**Training Data Labeling Intern at FamilySearch (20hrs/wk)** May 2024 – August 2024  
I meticulously labeled detailed historical documents for use in AI training.

**Research Assistant at University of Utah (40+hrs/wk)** May 2023 – May 2024  
I researched NLP with local and remote colleagues and published one paper on my findings.

**Teaching Assistant at University of Utah (20hrs/wk)** August 2021 – May 2023  
I taught students in a range of undergrad/grad CS courses through labs, feedback, and help hours.

**Assistant Aquatics Director at Camp Tife, BSA (40+hrs/wk)** June 2021 – July 2021  
I maintained pool equipment and supplies, taught swimming and water rescue skills, and lifeguarded.

**Production+Picking Team Member at Loftus International (40hrs/wk)** May 2020 – March 2021  
I assembled products and prepared orders for shipping.

**SolidWorks Designer at Epiroc (10hrs/wk)** November 2019 – April 2020  
I designed and modeled mining drills in SolidWorks CAD format.

**SolidWorks Designer and Machinist at Clean Machine (40hrs/wk)** January 2016 – September 2017  
I translated paper drawings of acquired IP into SolidWorks CAD format and operated CNC mills and lathes.

## Education

**M.S., Computer Engineering** Weber State University, Fall 2024 - Spring 2027  
Cumulative GPA of 4.0  
Courses Include: ECE 3610 “Digital Systems”, ECE 3710 “Embedded Systems”

**Incomplete Ph.D., 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., Linguistics + Computer Science 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” (*SCiL 2024*) - I developed, implemented, and evaluated an algorithm for learning ITSL languages

“How much Consistency is your Accuracy Worth?” (*BlackBoxNLP@EMNLP2023*) - I developed a measurement to compare consistency of AI models’ at different levels of accuracy.

“Evaluating a Phonotactic Learner for MITSL-(2,2) Languages” (*SCiL 2023*) - 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)” -I substantially contributed to developing the interface for data collection in an online study

## Technology-Relevant Personal Experience

I run a home server and self-host/maintain an Immich photo server, a Minecraft server and have hosted several custom web servers.

I set up a fleet of laptops for use by the charity Nurturing Nations at a school and library in Ghana.

I have built my own PC and have performed repairs and upgrades on my own laptops and those of my friends

and family.