+1 (801) 824-2215

https://nnnNNnnn.info

jacob@nnnNnnn.info

Skills

Fluent in German

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

Familiar with Git/GitHub, LaTeX, VScode

Learning VHDL and Flask (Python web application framework)

Work Experience

Cashier at Smith's Food and Drug (32hrs/wk)

August 2024 - Present

• I help customers pay for groceries, apply coupons, etc.

Training Data Labeling Intern at FamilySearch (20hrs/wk) May 2024 - August 2024

I labeled historical records in high detail to be used for Machine Learning training

May 2023 - May 2024 Research Assistant at University of Utah (40+hrs/wk)

· I researched natural language processing and published one paper on my findings

Teaching Assistant at University of Utah (20hrs/wk) August 2021 - May 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

June 2021 - July 2021 Assistant Aquatics Director at Camp Tifie, BSA (40+hrs/wk) • I maintained pool equipment, taught swimming and water rescue skills, and performed lifeguarding

Production and Picking Associate at Loftus International (40hrs/wk) May 2020 - March 2021

I assembled and packaged products and selected products from inventory for orders

SolidWorks Designer at Epiroc (10hrs/wk) November 2019 - April 2020

• I designed and modeled mining drills in SolidWorks CAD format.

Design/Manufacturing Associate at Clean Machine (40hrs/wk) January 2016 – September 2017

• I translated some technical drawings of acquired IP into SolidWorks CAD format and ran Mazak CNC Machines

Education

Fall 2024 - Present

- M.S. in Computer Engineering, Weber State University
 Currently taking MS Computer Engineering Prerequisites: ECE 3610 "Digital Systems", ECE 1270 'Introduction to Electrical Circuits'
 - Spring 2025 planned courses include: ECE 3710 "Embedded Systems", ECE 2260 "Fundamentals of 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" (SCiL 2024)

I developed, implemented, and evaluated an algorithm for learning ITSL languages

"How much Consistency is your Accuracy Worth?" (BlackBoxNLP@EMNLP2023)

• 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)

• 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)" (Studies in Second Language Acquisition, March 2024)

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