Jacob Johnson

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Overview

Strong technical/computer skills (Word Processing, Spreadsheets, etc) as well as scripting (bash, Python, etc) on major operating systems

Excellent attention to detail and reliablity attested by my academic achievements

Four publications in Academic Venues

"Customer Service"/"Soft Skills" attested by my background working with Students

Fluency in German and basic skills in Spanish

IT-Relevant Personal Experience

Hardware Experience
- I am running a Rack Server and self-host/maintain an Immich photo server, a Minecraft server, as well as a web server for a custom social media site I am developing.
- I built my personal computer in 2022 and have upgraded components, set up automated scripts, etc.
- I bought used laptops in bulk, upgrading their SSDs and RAM, replacing Wi-Fi cards, etc, to sell/give away, run small servers, etc.

Software Experience
- I have used Windows repair to reinstall windows while retaining files, and Macrium to transfer Windows installations to larger drives.
- I have created fresh installations of Windows, Linux Mint, Arch Linux, and TrueNAS.
- I have maintained an Immich photo server, Minecraft Servers, Apache Web Servers, VSCode code servers and have a decent grasp of networking.
- I am expert in Python and Linux, proficient in Java/C#, Windows (including Microsoft Office Products), git, and LaTeX and familiar with bash, C/C++, and docker.

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 6353 "Deep Learning"

Work Experience

Cashier at Smith's Food and Drug (32hrs/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- I developed software to aid in rigorous labeling of detailed historical documents for use in AI training.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 Tifie, BSA (40+hrs/wk)   June 2021 - July 2021
- I maintained pool equipment and supplies, taught swimming and water rescue skills, and lifeguarded.

Production and Picking Associate 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.

Design/Manufacturing Associate at Clean Machine (40hrs/wk)   January 2016 – September 2017
- I translated paper drawings of acquired IP into SolidWorks CAD format and operated CNC Machines.