



Thomas Wood

Additive Manufacturing Specialist | Skilled in Windows & Linux Systems

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🌐 <https://www.tdwcloud.com/>

Education

Brigham Young University - Idaho
B.S. Software Engineering
GPA: 3.742
Apr 2018 - Apr 2022

--Skills and Abilities--

Microsoft Power Automate

Microsoft Power Apps

Computer Information Systems

Automation

Windows

Linux

3D Printing

LLMs

Python (Programming Language)

AI Models

Firmware

Information Technology

Computer-Aided Design (CAD)

Virtualization

Leadership

Management

Strategic Planning

Debugging

Solution Focused

Software Troubleshooting

Teamwork

Active Listening

Applied Learning

Electronics Repair

Computer Repair

Troubleshooting

Customer Satisfaction

Computer Hardware

Experience

TWI

Feb 2022 - Mar 2025

Additive Manufacturer Tech

Rexburg, Idaho

Designed and optimized 3D models using Autodesk Fusion 360, preparing them for printing with Orca Slicer to achieve high-precision results

Performed comprehensive maintenance and upgrades on 3D printers, including transitioning firmware from Marlin to Klipper to enhance performance and reliability.

Constructed and calibrated a custom 3D printers, demonstrating proficiency in hardware assembly and system optimization for advanced additive manufacturing applications.

Utilized Microsoft Power Platform tools, including Power Automate and Power Apps, to streamline and automate business workflows, enhancing operational efficiency and reducing manual tasks.

FamilySearch

Sep 2023 - Mar 2024

Digital Inventory Tech Sr.

Rexburg, Idaho, United States

Troubleshoot equipment for optimal functionality by writing power automations for testing

Implemented Power Apps to link SharePoint to teams enabling ease of project updates

Developed Sharepoint lists to allow for communication and automation

FamilySearch

Oct 2022 - Sep 2023

Paid Intern, FamilySearch Support Operations Team Rexburg, Idaho, United States

Proposed use case of local LLMs by integrating with the Power Platform

Identified tools useful for tracking team effort by utilizing the Power Platform

Developed scripts to allow for automation by adding triggers for progress

Built Power Apps to reduce manual effort of maintaining records for Power BI

Walmart

Jul 2022 - Sep 2022

Stocking Associate

Rexburg, Idaho, United States

Ensured clean and presentable shelving to allow for easier customer service

Aided customers who were confused by using Ask Sam and helping them reach their destination

Promptly processed any new stock by swiftly identifying product and designated locations

Vern's RadioShack

Oct 2020 - Apr 2022

Developer

Pocatello, Idaho, United States

Built backend for inventory management of several stores

Built python scripts to synchronize multiple databases

Troubleshoot both clients and businesses technology by consistent research

Vern's RadioShack

Sep 2020 - Oct 2020

Technician

Pocatello

Restored client's hardware by diagnosing damaged or malfunctioning components

Updated databases while software suppliers changed API formatting

Implemented fallback internet to continue business function when fiber failed

Learned and retained knowledge of Windows, Mac, Linux software to allow for multi-step debugging