**Adam A. Lewis**

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**Personal Website:** [www.adamalewis.com](http://www.adamalewis.com)

**Significant Projects**

Smart Farming – [www.houseofdemeter.myshopify.com](http://www.houseofdemeter.myshopify.com)

* Currently growing plants out of my university apartment via a custom climate control and water delivery system
* Built small scale system that operated in the basement of my childhood home as well as several apartments
* Practical Design and Extruded Plastics manufacturing
* Circuit board Development

Drone Building and Racing

* Low grade scripting in Betaflight 3.4
* Soldering and wire sizing
* Troubleshooting skills related to radio frequency and computation
* Troubleshooting microcomputers and microchip

**Work Experience**

Outpost Sunsport Ski and Snowboard Rental

* Use various tools to size customers of all ages
* Use sharpening and waxing tools to prepare rental skis and snowboards for usage

Colorado State University Lory Student Center – Event Setup

* Set up rooms in the Student Center for meetings or other events

Colorado State University Athletics - Student Equipment Manager

* Daily Laundry
* Issuance and Collection of Laundry
* Inventory Tracking
* Package Delivery

Shipboard Information Technology (SBIT) Intern with Nuclear Naval Laboratories (subsidiary of Flour Marine Propulsion)

* Application Development
* Automation via Microsoft PowerShell
* Built a developer tool to streamline the development process
* Introduction to .NET frameworks in Oracle Systems
* Worked with existing developers across multiple facilities to implement additional features to make the application more tailored to their individual requirements
* Training on GIT with multiple contributors and developers
* Worked alongside a team of developers using Azure DevOps
* Held L access authorization with Department of Energy
* Writing Standard Operating Procedure (SOP’s) for a team of developers

**Technical Skills**

***Sensitive Information Training:*** Correct Usage Classified systems, training on handling data leaks, training on handling, storage, and transportation of sensitive data,

***Microsoft Office:*** Word, Excel, PowerPoint, Azure Devops

***3D Modeling Programs:*** Autodesk Inventor, AutoCAD, Autodesk Fusion360, SolidWorks, Autodesk Eagle, EasyEDA

***Programming:*** Powershell, C++ OOP in hardware control, and MATLAB. Exposure to SQL in Oracle/SQLite, .NET frameworks in Databases, Python Coding, and Java

***Manufacturing:*** 3D printing, 3-Axis Milling, 3-Axis CNC Routing, Laser cutting and engraving

***Audio-Visual Applications:*** Ableton Live, FL Studio, Adobe Illustrator, Adobe Photoshop, Adobe Premier

**Education**

Plum Senior High School, August 2015 - May 2019

Youngstown State University, William Rayen School of Engineering & Engineering Technology, Attended August 2019 – May 2021, Youngstown, OH

Colorado State University, Department of Computer Science, Bachelor of Computer Science, Attended August 2021 – August 2022