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| **Relevant Skills** | |
| * Assembly Language * Hardware Design Language (Verilog) * YAML * Embedded Systems * Solid Edge * Team Foundation Server * Visual Studio * C/C++/C# * WPF * Raspberry Pi * MATLab * Z-Wave Protocol | |
| **education** | |
| **Bachelor of Science in Computer Engineering - Utah Valley University** **May 2018**  Involved with IEEE UVU Chapter as Vice President of Publications.  **Relevant Coursework Completed:**   * Embedded Systems 1 & 2 * Digital Design 1 & 2 * Object Oriented Programming * Algorithms Data Structures * Software Engineering * Wireless and Mobile Communications * Senior Design Project * Advanced High Performance Computer Architecture * Digital Signal Processing * VLSI Design | |
| **Work experience** | |
| **Software Engineer May 2018 – Present**  **BAE Systems, Inc, Hill AFB, UT**   * Writing Developers Guide for ICBM Simulation software developed with MATLAB scripts   **Computer Science Technical Intern Dec 2016 – April 2018**  **BAE Systems, Inc, Hill AFB, UT**   * Developed, as a team, the Process Model Toolkit (PMT) and programmed in C# and XAML. * Communicate directly with government customer over New START Treaty to make improvements to PMT and present to customer and internal employees. * Attained clearance of SECRET and is current to attend meetings in Classified Environment | |
| **favorite projects** | |
|  | * **Traffic Light**   + Used FPGA to emulate a traffic light with code written in Verilog * **Motorola Microcontroller**   + Wrote Assembly Language commands to control PWM, Fuzzy Logic, etc. * **Virtual Machine**   + - Inputs Assembly Language as bit data into memory and executes multi-threaded functions * **Z-Wave Home Assistant**   + Implements Home Automation and Security on Raspberry Pi using Z-Wave Protocol |