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| **Relevant Skills** | |
| * Embedded Systems * Solid Edge * Team Foundation Server * Visual Studio * C/C++/C# * WPF * MATLAB * Z-Wave Protocol * Assembly Language * Hardware Design Language (Verilog) * YAML | |
| **education** | |
| **Bachelor of Science in Computer Engineering - Utah Valley University** **May 2018**  Involved with IEEE UVU Chapter as Vice President of Publications   * Software Engineering * Wireless and Mobile Communications * Senior Design Project * Advanced High Performance Computer Architecture * Digital Signal Processing * VLSI Design   **Relevant Coursework Completed:**   * Embedded Systems 1 & 2 * Digital Design 1 & 2 * Object Oriented Programming * Algorithms Data Structures | |
| **Work experience** | |
| **Software Engineer May 2018 – Present**  **BAE Systems, Inc, Hill AFB, UT**   * Working with simulation software for ICBM and in process of writing Developer’s Manual   **Computer Science Technical Intern Dec 2016 – Present**  **BAE Systems, Inc, Hill AFB, UT**   * Developed, as a team, the Process Model Toolkit (PMT) and programmed in C# and WPF. * 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** | |
|  | * [**Virtual Machine – C++**](https://github.com/robzaga/VirtualMachine)   + - Inputs Assembly Language as bit data into memory and executes multi-threaded functions * [**Senior Project - Z-Wave Home Assistant**](https://github.com/robzaga/Z-Wave)   + Implemented Home Automation and Security on Raspberry Pi using Z-Wave Protocol * [**Traffic Light - Verilog**](https://github.com/Robzaga/TrafficLight)   + Used FPGA to control it like a traffic light by using LEDs and Buttons. * [**Motorola Microcontroller - Assembly**](https://github.com/Robzaga/MotorolaMicrocontroller)   + Programmed Microcontrollers in Code Warrior (PWM, Fuzzy Logic, etc.) |