

Roberto Unzaga

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RELEVANT SKILLS

C/C++/C#	Assembly Language	Embedded Systems
WPF	Hardware Design Language	Solid Edge
Raspberry Pi	(Verilog)	Team Foundation Server
MATLab	YAML	Visual Studio
Z-Wave Protocol		

EDUCATION

Bachelor of Science in Computer Engineering - Utah Valley University **May 2018**

3.2 GPA on 4.0 scale

Involved with IEEE UVU Chapter as Vice President of Publications.

NSF LEAP – Full Scholarship

Relevant Coursework Completed:

Embedded Systems 1 & 2	Advanced High Performance	Software Engineering
Digital Design 1 & 2	Computer Architecture	Wireless and Mobile
Object Oriented Programming	Digital Signal Processing	Communications
Algorithms Data Structures	VLSI Design	Senior Design Project

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
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FAVORITE PROJECTS

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| <ul style="list-style-type: none">▪ Virtual Machine<ul style="list-style-type: none">▫ Inputs Assembly Language as bit data into memory and executes multi-threaded functions▪ Z-Wave Home Assistant<ul style="list-style-type: none">▫ Implements Home Automation and Security on Raspberry Pi using Z-Wave Protocol | <ul style="list-style-type: none">▪ Traffic Light<ul style="list-style-type: none">▫ Used FPGA to emulate a traffic light with code written in Verilog▪ Motorola Microcontroller<ul style="list-style-type: none">▫ Wrote Assembly Language commands to control PWM, Fuzzy Logic, etc. |
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