**Richard Beredo** Active Secret Clearance

richberedo@gmail.com (757) 752-7462

**EDUCATION**

**Bachelor of Science, Electrical Engineering** *August 2015 – May 2020*

**Embry-Riddle Aeronautical University**, Daytona Beach, FL

**EXPERIENCE**

**Software Developer** | ManTech *January 2022-Present*

* Automated Installs of Quarterly Patches using PowerShell Scripting
* Created and deployed Website using MERN stack (MongoDB, Express, React Typescript, Node) to modernize team processes and maintain online databases.
* Provided the essential software support for the Tactical network components including the configuration of the hardware devices and virtual machines, testing new software, and designing the structure of the network.
* Created automation tools using Python to improve team workflow and efficiency.

**Battalion S6 (Signal Officer)** | 203D Military Intelligence Battalion, USAR *May 2020 – Present*

* Deploys Battalion radio network for field environments including antennas and radios.
* Advisor to the Battalion Commander regarding all matters concerning communications and IT.

**Software and Radio Frequency Engineer** | CACI *January 2021 – January 2022*

* Interpreted parametric data and descriptions of both mechanical, electronic, and radio frequency capabilities of foreign and domestic RADAR systems to support on-going update of the US Army Apache helicopter RADAR Early Warning System.
* Programed 20+ radar simulations in a custom-made MATLAB/C++ based language (Simulation Modeling Framework) to support 8+ regional needs for the Apache Early Warning System.
* Automated 50+ RADAR simulations using VBA (visual basic for applications) to streamline MDS (mission data set) development for the Early Warning System to meet quarterly deadlines.
* Generated 50+ Engineering reports of RADAR simulation builds to catalog engineering decisions.
* Developed test plans under strict customer requirements, executed testing to support all test phases, perform test analysis, troubleshoot errors, develop test reports for 6 Apache systems
* Reviewed and tested 30+ peer project simulations to pass strict guidelines.
* Selected to develop Simulation Modeling Framework training out of a team 40+. Developed RADAR coding training to teach 30+ employees to program RADAR simulations.

**Electrical** **Engineer** | Eco Car, Internship *August 2019 - May 2020*

* Administered scrum process, including sprint planning and reviews, to develop Autonomous car for annual competition under strict budget and customer deliverables.
* Improved signal processing algorithm, using MATLAB, to improve radar testing.
* Performed lidar and radar testing using oscilloscopes and spectrum analyzer.

**SKILLS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Security + | React JS | Typescript | MongoDB | Express JS |
| Node JS | Azure Cloud | Git | PowerShell | Docker |