

# Joshua Jablonski

**Software Engineer**  
**Bachelors of Electrical Engineering (Auburn University)**  
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## WORK EXPERIENCE

### **Trideum Corporation, Huntsville AL — Software Engineer**

MAY 2019 - PRESENT

Worked under the CVATE (Cyber Vulnerability Assessment Test Environment) contract with Redstone Test Center (RTC) to develop a cyber testing capability in the IP space and radio spectrum. Using software defined radio, created software to automatically characterise a given spectrum and simulate multiple DoD-specific data links for HWIL testing and network simulations using reverse engineering techniques

Performed network administration tasks and helped to create a VDI development environment at Trideum with Agile tools such as the Atlassian suite and Jenkins CI integrations

*Secret Clearance Required*

### **Auburn University, Auburn AL — Undergraduate Research (Cyber)**

AUGUST 2018 - MAY 2019

Researched ways to find vulnerabilities in a government network using the perspective of an attacker from outside the system and analyze potential system weaknesses to report to the customer

### **Scientific Research Corp, Redstone Arsenal AL — Cyber Intern**

MAY 2018 - AUGUST 2018

Worked with Redstone Test Center (RTC) at the Distributed Test Control Center (DTCC) on projects concerning development of cyber testing environments of key softwares

*Secret Clearance Required*

## PROJECTS

### **IEEE Hardware Competition Electrical/Software Lead - 2019**

Lead for a competition to develop an autonomous robot using OpenCV (Computer Vision) and ROS (Robotic Operating System) to accomplish tasks and navigate without human intervention

## PROFICIENCIES

### PROGRAMMING

Python, C++, Java, C,  
Assembly, GNURadio,  
Various PLC Programming  
Architectures

### SKILLS

Software Defined Radio,  
GNURadio, Agile  
Development, ESXi  
Management, 3D Printing,  
Soldering, CAD Design  
(SolidWorks/Inventor),  
PBA.pro 1553 Data  
Collection

### CERTIFICATIONS

DoD Clearance - Secret  
Security+  
Student Pilot Certificate  
Amatuer Radio License  
OSHA 10-Hour Training

### AWARDS

Eagle Scout

