

WORK EXPERIENCE

132d Wing, Iowa Air National Guard

Jun 2019 – Present

Weaponering Analyst

Des Moines, IA

- Produce weaponering solutions for building and equipment defeat using kinetic munitions
- Weaponering Team lead for Annual Training at Ellsworth AFB in 2025
- Participated in Korea UFS25 exercise to work with new Air Force and international members

Northrop Grumman, Aeronautical Sector

Jun 2023- Aug 2023

Reliability / Product Support Intern

Melbourne, FL

- Contributed to help achieve B-21 Raider first flight capabilities
- Built reliability/maintainability models to determine maintenance and repair intervals
- Worked with suppliers to increase time-to-failure and aircraft repairability

Van Rys Wyk Heating and Cooling

Jun 2018 – Jan 2019 HVAC

Technician / Plumber

Monroe, LA

- Installed new HVAC and plumbing in new construction homes
- Repaired broken plumbing and HVAC systems to customer specifications

CERTIFICATIONS

Top Secret Security clearance

Nov 2019 – Present

- SCI - TIER 5 INVESTIGATION

Air Force Weaponering

Oct 2024 – Present

- JASSM 'Target Area Model' Weaponering Certified
- Intermediate and Advanced Target Development

EDUCATION

Iowa State

Projected Graduation: May 2026

Bachelor of Science in Electrical Engineering Degree

Ames, IA

- Microwave Engineering Emphasis
- Computer Science Emphasis

Geospatial-Intelligence Imagery Analysis Course

Jul 2020 – Dec 2020

AFSC - 1N131A

San Angelo, TX

- Learned baseline of US intelligence gathering and techniques
- Strengthened communication skills and deadline-driven execution.

SKILLS & INTERESTS

- **Programming:** C/C++, Java, Python, Arduino, Verilog, Matlab
- **Tools:** Keysight's ADS, CST Studio Suite, AutoCAD Suite; Jira/Confluence; Linux command line; Git
- **Interests:** Cooking, Breadboard/Electronic, Guitar; Woodworking, Hunting, Working out, Motorcycle Riding
- **Projects:** 30% Design for 25MW/100MWh Battery energy storage system, Designed PCB (Amplifier, Oscillator and filter) at 915MHz, Briefed B-1 pilots about JASSM(AGM-158) capabilities for ongoing operations, MIMO FWCW Radar

