Lucas DeRousse

(314) 484-4646 | derousselucas@gmail.com | https://lucasderousse.github.io/ | Secret Clearance

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TECHNICAL SKILLS

*Programming Language*s: Python, C#, JavaScript
Web Stack Frameworks: React.js, Node.js, TailwindCSS
Other Skills: Linux (Red Hat, Kali, Arch), AWS, Docker
Certifications: CompTIA - Project+, AWS Cloud Practitioner, ITIL - Business of IT, WGU Back-end Development, WGU Front-end Development, CompTIA - Security+ (Expired Dec. 2023)

EDUCATION

Bachelor of Science: Software Engineering | Course List   Estimated August 2024
Western Governors University | Salt Lake City, UT
Associate of Science: Electronic Systems   May 2023
Community College of the Air Force | Maxwell Air Force Base, AL

AWARDS & RECOGNITION

Humanitarian Service Medal - Kuwait 2021 - USAF
- Awarded for my expertise and robust communication solutions during *Operation Allies Refuge*, enabling the evacuation of over **123,000 Afghan refugees**

Armed Forces Service Medal - Kuwait 2021 - USAF
- Awarded for my continued diligence and preemptive equipment expansion during *Operation Allies Refuge*

Outstanding Performer - United Kingdom 2022 - USAF
- Awarded for continuously stepping outside of my regular duties, notably providing all public address infrastructure for a U.S. foreign-relations event with the intended audience of **Queen Elizabeth II, former Queen of the United Kingdom**

MILITARY EXPERIENCE

RF Engineer (1D7X1R), Senior Airman, US Air Force   2018 – Oct. 2023
Relevant Skills: Linux, Networking, QA, Telecommunications, Cryptography, Software Configuration

- Oversaw technical and logical maintenance of the Ground Control Stations (GCS) for the MQ-9 "Reaper" Drones while stationed at Holloman AFB, New Mexico in 2019 to September of 2020, managing assets exceeding **$1 Billion worth of equipment**
- Supervised the **duties, professional development, training, and health and welfare** of **15 Airmen** as the senior ranking Airman while stationed at Royal Air Force Base Croughton, United Kingdom in 2021.
- Provided **long-range communication systems** for military aircraft and other assets capabilities to end-users employing the HFGCS system utilizing RF and IP technologies with an asset valuation at over **$15 Million**.
- Served as the Subject Matter Expert (SME) for a Land Mobile Radio (LMR) program, facilitating seamless and continuous communication across the United Kingdom for **4,000 direct end-users**.
- Manage **AES-256 cryptographic key loading** for aircraft and Ground Control Stations (GCS) for secure MQ-9 operations.
- Configured and implemented **Red-Hat Linux** based operating systems tailored for MQ-9 operations, optimizing performance and reliability.
- Proficiently maintained, reconfigured, and installed a wide array of powered SATCOM and radio equipment items including but not limited to: **Power Amplifiers, Up/Down Converters, Servers, Routers, Patch panels, UHF/VHF Antennas, Desktop Workstations, User accounts, Firewalls and Switching/VLAN Equipment**
- Install, remove and reconfigure all physical transmission mediums including but not limited to: **Single and Multi-mode Fiber Optic cabling, Coaxial, Ethernet**
- Conducted daily server log retrieval and review utilizing **SSH protocols**, ensuring the integrity and security of operational data.