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, 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. Valued at over **$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 **global SaaS** capabilities to end-users utilizing the HFGCS system utilizing RF and IP technologies. Valued at over **$15 Million**.
- Manage **AES-256 cryptographic key loading** for aircraft and Ground Control Stations (GCS) for secure MQ-9 operations.
- Configured and provided **Red-Hat Linux based OS** for MQ-9 operations.

CIVILIAN WORK EXPERIENCE

Wireless Communication and Network Specialist III   September 2023 - January 2024
St. Charles County Emergency Communications
Relevant Skills: Project Management, Microsoft Office, Public Speaking, On-call rotations
- Program public safety radios utilizing CPS to optimize functionality and performance, ensuring seamless communication and interoperability for emergency response teams.
- Perform Over-the-Air-Programming on Trunked radios, utilizing IP backhaul networks for no loss of coverage
- Manage a P25 radio network, supporting interoperable communications for disasters and emergencies.
- Assess network system performance and provide recommendations to enhance functionality, safety, system coverage, reliability, maintenance, recovery, and sustainment of infrastructure systems.
- **Active Project Manager** for ongoing projects for installations, router and switch configurations and programming.