Lucas DeRousse

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TECHNICAL SKILLS

*Programming Language*s: Python, C#
Frameworks: Django
Operating Systems: Android, Windows, iOS, Linux
Web Design: JavaScript, HTML, CSS, XML

EDUCATION

Bachelor of Science: Software Engineering   Est. January 2026
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

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.
- Participate in weekly standup meetings to discuss ongoing projects
- Brief executive level leadership on continuity, outages, equipment functionality and proper use.
- Active Project Manager for ongoing projects for installations, router and switch configurations and programming.
- Deliberate with outside vendors to determine Software needs, capabilities and future scalability of the network.
- Part of a tri-weekly on-call rotation for outage resolution, emergency needs and continuity of network equipment.

MILITARY EXPERIENCE

RF Engineer, Senior Airman, US Air Force   2018 – 2023
Relevant Skills: Networking, QA, Telecommunications, Customer Service, Software Configuration

- 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 IaaS capabilities to end-users utilizing our HFGCS system utilizing RF and IP technologies.
- Served as the ongoing project manager for radio equipment, network infrastructure and software upgrades.
- Served as the SME for the Land Mobile Radio (LMR) program, conducting programming operations for radios for an entire base and 4 Joint Forces while deployed to Kuwait.
- 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.
- Awarded the Armed Forces Service Medal and the Humanitarian Service Medal for robust and uninterrupted communications provided during the Airlift out of Kabul, Afghanistan in 2021.

Biomedical Equipment Technician Intern, *Agiliti Health*, Maryland Heights, MO   June 2023 – Aug. 2023
Relevant Skills: QA, Ticketing systems, Circuitry and Test equipment

- Inspected ventilators and other medical equipment for patient use
- Utilized ServiceNow as a ticket tracking system
- Developed a close relationship with logistics managers to promote efficiency of equipment inspection