

# Lucas DeRousse

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## TECHNICAL SKILLS

*Programming Languages:* Python, C#, JavaScript

*Web Stack Frameworks:* React.js, Node.js, TailwindCSS

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## 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*

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## PROJECTS

**WORKOUT GENERATOR APP** | [Live Link](#) | [Github](#)

Feb. 2024

*Relevant Skills:* Javascript, React.JS, TailwindCSS, Node.JS

- Utilizing **React** and **TailwindCSS**, made a simple and sleek workout generation app.

**CHATGPT CLONE** | [Github](#)

Feb. 2024

*Relevant Skills:* Javascript, Full-Stack, Node.JS, APIs

- Utilizing **Javascript** and **OpenAI APIs**, built a ChatGPT Clone that acts as a personal assistant for users.

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## 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.
- 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.

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## 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.