# Huxley Rust

Email: your.email@example.com Phone: (XXX) XXX-XXXX
LinkedIn: linkedin.com/in/yourprofile GitHub: github.com/yourgithub

## Education

**Weber State University**, Ogden, UT Expected Graduation: 2028
Bachelor of Science in Electrical Engineering

**Weber State University**, Ogden, UT Expected Completion: 2026
Associate of Pre-Engineering, Electrical Engineering

*Relevant Coursework (completed & planned):* Signals & Systems, Calculus III, Physics II, Embedded Systems, Electromagnetics

## Skills

- Programming: Python (NumPy, SciPy, Matplotlib), C (basic), LaTeX
- Engineering Tools: LTSpice, Multisim, oscilloscopes, function generators
- Systems/Networking: Linux/Ubuntu, Samba, VPN (Tailscale, NordVPN), Nextcloud, server hosting
- Audio/Visual: ProPresenter, Blackmagic ATEM, OBS/Livestream Studio, live sound mixing

## Projects

**Home Server Lab** Ongoing
Built and configured a personal Linux server for file hosting and remote access. Implemented VPN tunneling, Samba shares, and network security tools. Experimented with firewall and Pi-hole DNS filtering.

**Signals & Systems Labs** 2025
Analyzed linear time-invariant systems using Python. Applied convolution, Fourier, Laplace, and Z transforms; implemented FFTs and simulated system responses.

**Embedded Systems (Planned Project)** Fall 2025
Designed and programmed a microcontroller system in C with peripheral interfacing, interrupt handling, and debugging techniques.

## Experience & Volunteering

**Technical Support & A/V Volunteer** – [Church Name], [City, State] 2022–Present

- Operate and maintain live sound system for weekly services, including mixing audio for musicians and speakers.
- Manage livestream production using ProPresenter, OBS/Livestream Studio, and Blackmagic ATEM video switcher.
- Troubleshoot and configure audio, video, and network connections under time-sensitive conditions.
- Collaborate with worship and media leaders to ensure smooth technical operations.