Andrew Lockett

Education
Texas State University, San Marcos, TX, Expected May 2026

Bachelor of Science; Double Major: Computer Science and Sound Recording Technology

GPA: 3.95

Relevant Coursework: Computer Networks, Object-Oriented Programming, Data Structures and Algorithms, Assembly Language, Software Engineering, Parallel Programming

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Experience
IT Assistance Center AV Support Worker, *2025- Present*

Texas State University Department of Learning Spaces, San Marcos, TX
- Troubleshoot and repair networked AV systems in classrooms and teaching theaters
- Provide user training on Extron hardware and software
- Assist in designing and testing next-gen classroom architectures

House Audio Engineer, *2023- Present*

Oakwood Church, New Braunfels, TX
- Operate FOH sound and monitors for full band during Sunday services
- Handle audio routing throughout the campus network via Dante
- Experience with Allen & Heath consoles, Shure mics and IEMs, and Dante audio

Network Engineering Intern, *Summer 2022, 2023, 2024*

HEB Digital, San Antonio, TX
- Created an API-based Python tool to pull switchport uptime metrics and shut down unused ports using Prometheus API and Grafana.
- Wrote a Python script to manage DHCP lease times and alerts from IP address management service, Infoblox.
- Team-based software development using GitLab CI/CD pipelines.

Skills/Proficiencies
Software: Docker, Jenkins, Postman, Jira, Confluence, Linux, MacOS, Windows
Coding: Proficient in C/C++, Python (PyTorch), Java, Javascript, HTML, Lua, and EEL
Development Tools: PyCharm, CLion, Intellij IDEA, Xcode, GitLab, GitHub, BitBucket
Skills: Computer Networking, API Development, Python scripting, experience with AWS (EC2)

Projects
Litsune: AI-Powered firewall that detects and blocks threats in realtime; implemented in Python. Source:https://github.com/GusWiz/LitNet-Implementation
CmdSynth: Command-line synthesizer that generates audio using only vanilla C++ and basic math. Source: https://github.com/AndrewLockett03/cmdsynth
DeClipper: Custom AI Model that detects and repairs clipped audio regions in a file. Still in development. Source: https://github.com/AndrewLockett03/Audio-DeClipper

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Certifications, Awards, and Honors
Dante Level 3 Certification, Audinate, *August 1, 2024*

Council of Scholars, Texas State University School of Music, *Spring 2024*

National Distinction Scholarship, Texas State University, *2022- Present*

Merit Scholarship, Texas State University, *2022- Present*