

Cole Protzman – Audio Engineer

coleprotzman@gmail.com • +1(310) 498-0628 • [LinkedIn](#) • coleprotzman.net

EDUCATION:

DigiPen Institute of Technology

Redmond, Washington

Bachelor of Computer Science and Digital Audio

Aug 2023 – Present

Relevant course work: Digital Signal Processing, Speech Recognition, Interactive Audio Synthesis, Data Structures, Algorithms, Audio Electrical Engineering, Game Engines

SKILLS:

Programming: C/C++, Python (Familiar), and Assembly (Familiar)

Tools: VSC, MSVS, WSL, Valgrind, Git, GitHub, and Jira

Miscellaneous: Digital Signal Processing, Audio Synthesis, Custom Game Engines, Documentation, Task Tracking, Agile, Linear Algebra, Calculus, Discrete Mathematics, and Audio Spectra

Languages: English (Native), Spanish (Familiar), and German (Elementary)

PROJECTS:

Unreal Project “Idol On Duty” | DigiPen Institute of Technology:

Aug 2025 – Aug 2026

Lead Audio Programmer

- Integrated Wwise and Unreal, creating the audio pipeline
- Built a robust system using C++, blending music and gameplay that the whole team used
- Directed the team to make sure our core systems were in every aspect of the game

Custom Engine Game “ARM Support” | DigiPen Institute of Technology:

Aug 2024 – Aug 2025

Producer and Lead Audio Programmer

- Worked on a 2D game engine in C++ with a team of 5 programmers
- Implemented FMOD low-level and FMOD Studio capabilities API and paved the audio pipeline
- Directed the team through multiple means of communication and hardships
- Built UI/UX systems allowing fun and responsive player engagement
- Created Engine Messaging allowing the pure ECS systems to communicate with one another
- Engine Architecture: Pure ECS; Graphics: OpenGL; Audio: FMOD Low-Level/Studio API

C++ Game “Satan’s Secretary” | DigiPen Institute of Technology:

Jan 2024 – Apr 2024

Producer and Lead Audio Programmer

- Audio Implementation and UI
- A 2D custom C++ typing game on a team with 5 programmers
- Implemented features: Audio using FMOD, Menu buttons, and Score

EXPERIENCE:

Travel Town Railroad

Burbank, California

Volunteer

Summers of 2017-2019

- Helped maintain the museum, Gave guided tours, and managed vendors