

Daniel Raygoza

raygoza.d@hotmail.com • (520) 210-2324

Education

Northern Arizona University

Software Engineering. 4.0 GPA

Relevant Coursework: C Programming, Computer Organization, Data Structures

Flagstaff, AZ

Expected May 2028

Buena High School

3.8 GPA

Sierra Vista, AZ

May 2025

Experience

Musi Inc.

Bug Bounty

Remote

November 2022 - October 2023

- Assisted with fixing a major bug in their data extraction service.
- Supplied proof of concepts and methods to expand data extraction service to support many other music services.

Leadership & Activities

First Robotics

Club President + Lead Software Developer

Sierra Vista, AZ

January 2022 – May 2025

- Led the software development team using Java and interoperated closely with the hardware team to create robots that are both teleoperated and autonomous.
- Pioneered and demonstrated the effectiveness of the use of NVIDIA Omniverse's synthetic data generation to develop a real-time AI object detection model rapidly.
- Fundraised \$20,000 that led to the club reaching the semifinals of the competition.

Projects

Illusi

October 2022 – Present

- Built a full-stack mobile music app using React Native with Expo and TypeScript, and SQLite.
- Designed a data extraction pipeline to create normalized music data from major streaming platforms.
- Created countless product features, including a custom shuffle algorithm, Discord webhook integration, dynamic theming, and track auto-researching.
- Logging errors in React Native using Sentry.

Roze

March 2024 – Present

- Developed a high-performance TypeScript + Node.js CLI that converts EPUB, PDF, DOCX, TXT, Syosetu, and WitchCultTranslations into audiobooks or audio-visual books with subtitle files and YouTube chapter timestamps.
- Engineered a batch voice synth engine that can generate ~9 hours of realistic narration in ~5 minutes.

Everett

February 2026 – Present

- Created a Desmos-like calculator with dimensional analysis evaluation over multiple related expressions, built in C++ with WASM support for high-performance math parsing on the web.
- Integrated the Web Assembly code into a TypeScript + React + Tauri frontend.

Skills & Interests

Technical: Typescript(NodeJS React-Native React NextJS), C++, Java, SQL(PostgresSQL SQLite), HTML, CSS, Git, Sentry

Interests: Software Development, Robotics, Film Writing, Film Editing, Art