

Jeremy Schur

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EXPERIENCE

Software Engineer Intern - Telos Alliance

Jan 2025 - Aug 2025

- Implemented **AWS Lambda**-based image scanning workflows that integrated with **AWS ECR** and **GitLab CI/CD**, automating secure image deployment and compliance reporting.
- Designed and trained a CNN + Bi-GRU deep learning model for music genre classification using **Tensorflow** and **Librosa**.
- Built a speech-to-speech translation prototype using **AWS Transcribe**, **Translate**, and **Polly** to convert live audio across languages.
- Troubleshoot **Docker** networking issues to support real-time multicast audio streaming over the Livewire (AoIP) protocol.
- Debugged **DSP** applications involving multi-channel audio and the **JUCE** framework.

EDUCATION

University of Colorado Boulder

- Bachelor's of Science in Computer Science
- Minor in Computer Engineering
- Relevant Coursework: Data Structures, Algorithms, Operating Systems, AI/ML.

SKILLS

Languages: Python · JavaScript/TypeScript · C · C++ · Java · Bash

Frameworks & Libraries: React.js · Node.js · Tailwind · Spring Boot · FastAPI · JUCE · Tensorflow · Librosa

Tools & Technologies: AWS · Docker · Git · GitLab CI/CD · Quay · Syft · Gype · Hugging Face

Databases: PostgreSQL · SQLite · MongoDB · DynamoDB

PROJECTS

Slack Channel Sentiments - [Github](#)

January 2025 - April 2025

- Used **Python**, **FastAPI**, **Hugging Face**, and **PostgreSQL** to develop a web-based **sentiment analysis** dashboard that analyzes and displays student feedback for the MS CS Coursera program.
- Consolidated Slack and Coursera data pipelines to provide the product team with actionable insights that streamlined feedback tracking and improved decision-making for the MS CS Coursera program.

Rideshare Web Application - [Github](#)

November 2024 - December 2024

- Used the **MERN** stack (MongoDB, Express.js, React.js, Node.js) to build a rideshare web application that facilitates trip-sharing to common destinations.
- Deployed the app with **CI/CD** pipelines via **GitHub Actions**, containerized with **Docker**, and hosted on **AWS EC2**.

Stats360 Web App - [Github](#)

March 2023 - May 2023

- Used **React.js**, **Tailwind**, and **Spring Boot** to develop a video game statistics tracking web application.
- Containerized the application with **Docker** for streamlined deployment and provided a seamless user experience through a responsive UI.

CERTIFICATIONS

- **AWS Certified Cloud Practitioner** - [Credly](#)

May 2025