

Austin Kim

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EDUCATION

Santa Clara University

Santa Clara, CA

M.S. in Computer Science & Engineering

Mar 2027

B.S. Computer Science & Engineering

Jun 2026

Relevant Coursework: Algorithms, Architecture, Cryptography, Networks

De Anza College

Cupertino, CA

A.S. Computer Science; Certifications: Web Programming & Programming in C/C++

Jun 2024

PROJECTS

SyncraSong | *MongoDB, Express, React, Node.js, TypeScript* | syncrasong.austin.kim

Aug 2024–Present

- Built a production-ready MERN + TypeScript app that transfers playlists between Apple Music, Spotify, and SoundCloud using OAuth 2.0 and background jobs.
- Designed a MongoDB caching layer for ISRC/track metadata, cutting redundant provider API calls by 85% and improving playlist transfer latency on repeat runs.
- Implemented a Node.js worker/queue system for large batches of playlist transfers, decoupling front-end UX from the back-end system.

Cheater Buster | *AWS Rekognition, AI Training* | [Link to DevPost](#)

Oct 2025

- Built a classroom monitoring prototype that parses and sends live video to AWS Rekognition via WebSockets to detect pre-defined behaviors (e.g., phone, laptop, calculator use).
- Integrated live video stream via web sockets; trained custom model with Rekognition; made it scalable via EC2.
- 4-people hackathon team.

QuickSpaces | *NVIDIA Nemotron AI, Restful API* | [Link to Project](#)

Oct 2025

- Built in a 2-hour hackathon: wrapped NVIDIA Nemotron responses in a REST API that scores commercial properties on safety and popularity from public text data.

Water Forge Garden | *Express, Node.js, HTML, CSS* | waterfeature.austin.kim

Sep 2024–Dec 2024

- Collaborated with SCU & the Muwekma Ohlone Tribe to prototype a renewable-powered water feature; documented the journey through Gantt chart and this webpage.

Vehicle Crash Trends in San Jose, CA | *Python, Jupyter, Numpy* | [Link to Project](#)

Apr 2023–Jun 2023

- Processed and cleaned open-data CSVs; built exploratory analyses and visualizations to identify multi-year crash patterns.

WORK EXPERIENCE

AV Technician

Sep 2024–Sep 2025

Pinnacle Live, Santa Clara Convention Center

Santa Clara, CA

- Diagnosed and resolved complex audio & network issues (Dante, AVB) under tight event timelines, ensuring clients were comfortable with their events.

Lead Mixing Engineer/Audio Tech

Sep 2023–Present

Lynbrook High School, FUHSD

San Jose, CA

- Designed and deployed an Arduino & Mac mini-based synthesizer system for a 130-student marching band, fine-tuning synth-sounds and re-routing cables to minimize audio latency & setup time during live shows.

SKILLS

Languages: TypeScript, JavaScript, C/C++, Java, Python, Verilog

Web/Backend: React, Node.js, Express, REST APIs, WebSockets, OAuth 2.0

Databases: MongoDB, MySQL

Cloud & ML: AWS (EC2, Rekognition), NVIDIA Nemotron

Tools: Git, Vite, Xcode, Wireshark, VS Code, IntelliJ, JUnit, Vitest