

JAY CRUZ

Las Vegas, NV

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EDUCATION

University of Nevada Las Vegas
Bachelor of Science Computer Science

January 2025 - Present
Las Vegas, Nevada

College of Southern Nevada
Associates of Arts Computer Science

Graduated 2024
Las Vegas, Nevada

TECHNICAL SKILLS

Languages: JavaScript, Python, SQL, C++, MIPS and x86 ASM

Technologies/Frameworks: React, Next, Redux, Zustand, TanStack Query, NodeJS, Tailwind, Django, FastAPI, PostgreSQL, SQLite, Make + Zapier, Git

NOTABLE COURSEWORK

- **Intro to Linux & System Administration** (RHEL & Ubuntu) | Covered Linux origins, file system, user commands and utilities, GUI, text editors, manual pages, shells, server configuration, and user/group management.
- **Systems Analysis & Design** (SDLC & Jira) | Learned techniques for gathering user requirements and translating them into design specifications. Familiarized with the Software Development Life Cycle and utilized Jira for ticketing.
- **Database Concepts and SQL** (MySQL & SQLite) | Mastered data modeling and relational database design principles. Gained hands-on experience with Structured Query Language for querying and managing databases.

PROJECTS

useBeatBot (Next.JS, Supabase, FastAPI)

Engineered a full-stack music gen platform with real-time database synchronization, and AI-generated music using Hugging Face's MusicGen API hosted on Modal with FastAPI python, and both SSR and SSG using Next.js.

useMap (React, TanStack Query, React Router FW)

Developed an interactive geolocation web application using MAPBOX API for mapping, enabling users to visualize travel markers. Implemented state management with Zustand, routing with React Router FrameWork Mode, and responsive design using Tailwind.

useX86 (React, Zustand, Cypress Testing)

Constructed an x86 Assembly learning and quiz system featuring a custom built API and Supabase Backend for seamless score tracking.

EMPLOYMENT

US Army
12B Combat Engineer

05 2018 – 05 2022
Fort Drum, NY

- Team Leader, responsible for managing 3 personnel and overseeing \$500k+ worth of equipment.
- Communicated effectively with high-ranking officers at the battalion and brigade levels to coordinate operations and logistics.
- Provided hands on instruction to junior enlisted soldiers from multiple units, conducting classes on MRAP vehicles diagnostics, troubleshooting, and interpreting technical manuals.

CERTIFICATIONS

- Google Cybersecurity Professional Certificate - Coursera- 2024
- Meta Full Stack Developer - Coursera - (Work in Progress)
- Docker Foundations Professional Certificate - LinkedIn Learning - (Work in Progress)