

JOSE CARLOS ARCE CAMET

McAllen, Texas | 956-731-7937 | josecarlos.arce@outlook.com

[Portfolio](#) | [GitHub](#) | [LinkedIn](#)

EDUCATION

The University of Texas Rio Grande Valley

Edinburg, Texas

Bachelor of Science in Computer Engineering

Expected Fall 2027

Fall 2021 – Present | Coursework: Digital Systems I, Computer Organization & Assembly | Upcoming: Systems Programming — Fall 2026

TECHNICAL SKILLS

Core Stack: TypeScript, JavaScript, React, Node.js, Fastify, PostgreSQL, Supabase, Prisma, REST APIs, Zod

Testing & Delivery: Vitest, React Testing Library, Playwright, Git, GitHub Actions, CI/CD, Vercel

Additional: SQL, Python, C++, Java, HTML/CSS, TanStack Query, Tailwind CSS, Vite

Languages: English, Spanish — Bilingual

PROJECTS

Personal Finance Tracker | React, strict TypeScript, Supabase/PostgreSQL, Vitest | [GitHub](#) | [Live Demo](#)

- Built a production-minded finance application for authenticated, user-scoped transactions and monthly budgets, with integer-cent analytics, search/filtering, safe CSV export, and PostgreSQL Row Level Security.
- Engineered shared validation and CI quality gates with 155 tests across 26 files and 91.55% statement/line coverage; added accessible interactions, lazy authenticated routes, and CSV formula-injection protection.

YapOS | React, Fastify, Prisma/PostgreSQL, OpenAI API | [GitHub](#) | [Live Demo](#)

- Built a full-stack personal AI workspace with persistent memory, grounded file Q&A, tasks, bounded conversation context, rolling summaries, and inspectable execution traces.
- Designed deterministic orchestration with selective evaluator/revision, shared Zod contracts, secure cookie sessions, ownership enforcement, rate limits, provider resilience, and PostgreSQL migration CI.

Auralis | React, Fastify, Prisma/PostgreSQL, Web Audio API | [GitHub](#)

- Developed a full-stack experimental music-recognition application with microphone/file input, client-side feature extraction, ranked catalog candidates, diagnostics, private history, and favorites.
- Hardened uploads and authentication with byte-level and audio-container validation, ownership checks, secure cookie sessions, rate limits, failure cleanup, and spoofed-file/persistence tests.

EXPERIENCE

Pixels Kids Entertainment — Technical Specialist | *Hidalgo County, Texas*

Sep 2017 – Jun 2023

- Set up, tested, and troubleshoot lighting, sound, projection, and camera equipment for reliable operation during live events under time pressure.

Burlington — Retail Sales Associate | *McAllen, Texas*

Nov 2024 – Jul 2025

- Resolved product and checkout questions while delivering accurate, efficient service and coordinating with teammates in a fast-paced retail environment.

ORGANIZATIONS

SHPE, Member (Aug 2022 – Present) | Society of Women Engineers (SWE), Member (Apr 2022 – Present)