

FERNANDO ACEVEDO

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EDUCATION

Auburn University

Bachelor of Software Engineering

- President, Auburn ACM; 3rd Place, ICPC 2025 University of West Florida Regional

Auburn, AL

Expected May 2028

EXPERIENCE

Software Engineer Intern

August 2025 – February 2026

Tennibot

Auburn, AL

- Automated Linux provisioning for autonomous robots, covering microSD imaging, filesystem setup, and secure cloud registration, reducing manual setup from multi-hour work to a repeatable minute-scale workflow.
- Built Dockerized Ubuntu 22.04 calibration workflows with RViz and robot sensor scripts to make camera and rotation calibration reproducible across deployments.
- Developed Python, OpenCV, and CVAT SDK data pipelines to extract video frames, upload datasets, and support annotation of 10,000+ training images for perception model development.

Data Analyst Intern

May 2025 – August 2025

Altec

Birmingham, AL

- Migrated 90+ legacy Qlik analytics assets to Qlik Cloud, rebuilding data models and validating dashboard outputs with BI stakeholders.
- Optimized Qlik and SQL data models over 13M-row datasets, reducing memory footprint by 32% while keeping dashboard response times under one second.
- Built custom JSON/CSS Qlik themes and configured AI Insight Advisor business logic to standardize client-facing analytics workflows.

Data Analyst Intern

May 2024 – August 2024

iHICA! (Hispanic and Immigrant Center of Alabama)

Homewood, AL

- Designed normalized relational database schema consolidating 20+ years of legacy program data into a scalable reporting foundation.
- Built Tableau dashboards tracking outreach, program outcomes, and service metrics, giving staff a central view of community impact data.

PROJECTS

Prediction Market Intelligence Platform | TypeScript, Next.js, Prisma, PostgreSQL, Kalshi API, Vitest

[GitHub](#)

- Built a market research platform that ingests Kalshi market and order book snapshots, normalizes pricing data, and evaluates signal quality with forward return and cohort analysis.
- Implemented research modules for binary arbitrage, related market grouping, spread tightening, passive quote markout, and fill proxy behavior to test whether paper edges survived execution constraints.
- Added 240+ passing tests and ran 50,000-snapshot passive-fill simulations, surfacing low fillability as the key bottleneck despite favorable markouts.

TecsPacs: Snippet & Packet Manager | JavaScript, React, Node, Express, MongoDB, Auth0

[GitHub](#)

- Built a developer tooling platform across web, CLI, and VS Code surfaces, backed by shared REST APIs, MongoDB, and Auth0 authentication.
- Published a Node.js CLI to NPM and deployed the React frontend on Vercel, enabling snippet workflows across browser, terminal, and IDE.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, TypeScript, Bash

Frameworks/Libraries: Next.js, React, Node.js, Express, Spring, Pandas, OpenCV, Tailwind, Vitest

Data and Systems: PostgreSQL, MongoDB, Snowflake, Prisma, Docker, Linux, REST APIs, Kalshi API

Developer Tools: Git, CVAT, RViz, Viam, Supabase, Firebase, Vercel, Railway

HONORS

HSF Scholar, Alabama Data Scholar, AP Scholar with Distinction, National Hispanic Recognition