ALI SEIFIAZAD

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Computer science student who builds and ships full-stack software end to end. Looking for a technical internship where I can learn from strong engineers and contribute to real products.

EDUCATION

Irvine Valley College | Associate in Science for Transfer, Computer Science, Irvine, CA — Expected Spring 2027

- GPA 3.84 · Dean's List, Fall 2025 and Spring 2026
- **Completed:** C Programming, C++ Programming, Computer Organization & Assembly Language I–II (MIPS), Calculus I, Pre-Calculus, Public Speaking. **In progress:** Data Structures, Intro to Python, Calculus II, Physics

PROJECTS

Hengam | AI-assisted shift scheduling web app | hengam.app, GitHub — 2026

React, Firebase (Auth, Firestore), Vercel Functions, Anthropic API

- Built and deployed solo: managers describe coverage rules in plain English, an LLM turns them into structured constraints, and a deterministic engine builds the week
- Designed the engine to generate 20 seeded variants, score each with a validator, and report uncovered shifts with the binding rule instead of returning an invalid schedule
- Wrote 107 unit tests plus emulator tests for Firestore rules and server routes

Brewline | Café ordering platform: customer app, barista display, manager console | Live demo, GitHub — 2026

TypeScript, React, Hono, Cloudflare Workers, D1 (SQL), Stripe Checkout

- Built the full system end to end after a proposal I wrote to improve a café's ordering app was not adopted
- Made checkout idempotent so retries and double taps return the same order; order insert, capacity check and reward reservation run in one D1 transaction
- Implemented PBKDF2 password hashing, hashed session tokens in HttpOnly cookies, role and ownership checks on every staff endpoint, and rate-limited login

Mahaleh | Bilingual English/Farsi business directory, co-built with a collaborator — 2026

React, Vite, Firebase, Cloud Functions

- Built core features in a two-person team: business pages, sign-in and routing, a review system, and a moderation queue for user submissions
- Wrote Firestore security rules and admin authorization with Firebase custom claims; review statistics can only be written by a server-side Cloud Function

Living Portrait | Interactive 3D portfolio site | aliseifiazad.com — 2026

Next.js, React Three Fiber, Three.js/GLSL, Playwright

- Built a real-time 3D likeness of myself with gaze, blinking and facial animation, and a robotic layer revealed through a GPU shader, developed with an AI coding agent under my direction

Also: Folio: native SwiftUI iPad notebook app, built and deployed to a physical device · **Texas Hold'em** (GitHub): C++17 poker game with full betting rounds, computer opponents and 7-card hand evaluation

EXPERIENCE

Lua Developer & Designer | Eternal Community (FiveM game server), Remote — Jan 2024 – Mar 2025

- Developed and maintained Lua scripts for a live multiplayer server with about 50 active players
- Diagnosed player-reported bugs and tested fixes before release; explained changes to non-technical players

Barista Trainer, Starbucks → Barista, Sodexo, Irvine, CA — Jun 2025 – Present

Starbucks, Jun 2025 – Aug 2026 · Sodexo, Aug 2026 – present

- Trained new hires on equipment, point-of-sale systems and procedures while studying full time, about 30 hours a week
- Troubleshot espresso machines and POS issues during rushes and escalated problems when needed

SKILLS

Languages: TypeScript, JavaScript, Python, C, C++, Swift, Lua, SQL, GLSL, MIPS assembly
Web: React, Next.js, Vite, Hono, REST APIs, Node.js serverless functions
Cloud & data: Firebase (Auth, Firestore, Cloud Functions), Cloudflare Workers and D1, Vercel, Stripe Checkout
Security: Authentication and sessions, role-based access control, Firestore security rules, CSP/HSTS, rate limiting, idempotency
Testing & tools: Vitest, Node test runner, Playwright, Firebase emulators, Chrome performance tracing, Git/GitHub
AI: LLM integration with structured output (Anthropic API), speech and lip-sync integration, AI-assisted development
Spoken: English and Persian (fluent), Turkish (conversational)