

Blake Almanza

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EDUCATION

B.S. in Software Development

Grand Canyon University – Honors College

GPA: 4.0

Apr. 2027

EXPERIENCE

Full-Stack Intern

Kimbo Learning

Aug. 2025 – Dec. 2025

Phoenix, AZ

- Built features for an AI-powered learning platform that generated personalized learning stories for K–3 students.
- Implemented WCAG 2.1 AA accessibility features including text scaling, high contrast, and reduced motion.
- Built Supabase data workflows with Redis caching and rate limiting for reliable application requests.

Freelance Software Developer

Washington State Barrel Racing Info

Apr. 2025 – Jun. 2025

Stanwood, WA

- Built and deployed a full-stack event platform serving **200+ users** with schedules, results, registration information, and personalized event tracking.
- Automated event discovery and calendar synchronization using web scraping and Google APIs, reducing manual event management by approximately **80%**.
- Built automated registration and event notification workflows using Google Calendar and Gmail APIs, reducing repetitive manual communication.

PROJECTS

Better Halo | *React, TypeScript, GraphQL, Web Extension APIs*

- Developed and shipped a browser extension used by **350+ students** to improve GCU's Halo LMS.
- Engineered a configurable theming system with CSS variables, synchronized user preferences, custom themes, and scheduled dark mode.
- Integrated Halo's GraphQL API to add assignment tracking, calendar navigation, and personalized course information directly into the LMS.

Embedded Developer Workflow Dashboard | *Rust, Go, LVGL, ESP32-P4*

- Designing a standalone embedded dashboard that consolidates developer workflow data from GitHub, Slack, Jira, and Google Calendar into a glanceable interface.
- Building Rust firmware for an ESP32-P4 system with a 1280x720 LVGL interface, rotary encoder input, addressable LEDs, and ambient light sensing.
- Building a Go backend to aggregate third-party service data and provide a lightweight API between developer integrations and the embedded device.

Golf Caddie | *React, TypeScript, AWS, Google Maps API*

- Built a mobile-first PWA for GPS yardages, course visualization, shot tracking, and club recommendations.
- Designed a serverless AWS backend using Cognito for authentication and DynamoDB for round and shot data.
- Integrated Google Maps APIs to visualize golf holes and calculate GPS distances to targets and greens.

CERTIFICATIONS

AWS Certified Cloud Practitioner

Nov. 2024

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C#, Python, Java, Rust, Go

Software: React, Next.js, Node.js, Express, REST APIs, GraphQL

Cloud & Data: AWS, Azure, Supabase, PostgreSQL, DynamoDB, Redis

Embedded & Tools: ESP32, LVGL, PlatformIO, Git, Docker, GitHub Actions, Linux, Onshape