KYAN KOTSCHEVAR-SMEAD

EDUCATION

B.S. COMPUTER SCIENCE   **Expected May 2026**
Washington State University   *Pullman, WA*

SKILLS

Software Engineering, Operating Systems, Compiler Design, Software Verification & Validation, Software Life Cycle (SDLC)
Languages and Tools: C, C#, TypeScript, Go, SQL, PostgreSQL, ASP.NET Core, Flutter, VueJS, GCP, AWS, Docker

EXPERIENCE

SOFTWARE ENGINEER INTERN   **May 2024 - Present**
Intellitect - 1on1 Piano - https://app.1on1piano.com   **Spokane, WA**

♦ Built 1on1 Piano, a cross-platform (iOS, Android, Web) app for real-time video chat and MIDI-integrated online piano lessons, developed with **Flutter**, **Go**, **Postgres**, and **WebRTC/UDP**.

♦ Leveraged **Go's** concurrency model with **Echo** and **REST APIs** to support thousands of simultaneous, low-latency piano lesson sessions efficiently and reliably.

♦ Automated full-stack testing with **GitHub Actions CI/CD** pipelines, increasing test coverage to **65%** to ensuring stable deployments

SENIOR CAPSTONE PROJECT   **Aug 2025 - Present**
Cloudflare – Cloesce

♦ Co-created a model-first compiler framework that automatically generates database schemas, REST APIs, frontend APIs, and cloud infrastructure from TypeScript models, eliminating boilerplate and unifying full-stack development.

♦ Collaborated with Cloudflare engineers to enable Cloesce to deploy instantly on Workers and D1, **expected to save developers hundreds of hours monthly** by streamlining integration into Cloudflare's developer platform.

♦ Built a **Rust** compiler that consumes a custom IR extracted from a **TypeScript** DSL and generates Cloudflare Workers, D1 schemas, and frontend models for instant, secure deployments.

FOUNDER   **May 2025 - Present**
DevSwipe LLC - DevSwipe - https://devswipe.io

♦ Built a Gen Z–focused coding interview prep app with **Flutter**, **Supabase**, and **AWS Lambda**, designed as a multiplatform solution (iOS, Android, Web). Features include real-time coding, instant feedback, and TikTok-style video explanations, helping users' study with simplified code snippets and gamified technical questions.

SOFTWARE ENGINEER INTERN   **May 2025 - Aug 2025**
Intellitect - Avista Bill Rendering   **Spokane, WA**

♦ Built a serverless pipeline with **AWS Lambda** and SQS to parse XML billing data, render PDF invoices, and publish outputs to **S3** automating operations and eliminating manual processing.

♦ Developed a CSR-facing Render Portal using **ASP.NET (C#)** and **VueJS** for real-time monitoring and bill proofing, enabling review and approval of flagged invoices.

ACTIVITIES AND LEADERSHIP

FOUNDER, PRESIDENT & ACTIVE NATIONAL COUNCILMAN   **Mar 2023 - Present**
Triangle Fraternity

♦ Founded WSU's first STEM-focused fraternity, growing to **40+** active members in the first year.

♦ Fostered a STEM community within Greek Life, emphasizing collaboration, academic support, and professional development.

♦ Led chapter to win "**Chapter of the Year**" and earned the Homi Kapadia and Purdue Men's Scholarships for leadership excellence.