

KYAN KOTSCHEVAR-SMEAD

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EDUCATION

B.S. COMPUTER SCIENCE
Washington State University

Expected May 2026
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.

