

# 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 Validation, Software Verification, Software Life Cycle  
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**.
- ◆ Automated unit, integration, and end-to-end testing across web, mobile, and backend, integrated into **GitHub Actions** CI/CD pipelines, boosting test coverage to **65%** and ensuring safe, stable deployments.
- ◆ Leveraged **Go's** concurrency model with **Echo** and **REST APIs** to support thousands of simultaneous, low-latency piano lesson sessions efficiently and reliably.

### 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, streamlining developer workflows while integrating applications 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.

### CEO & 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.