

KYAN KOTSCHVAR-SMEAD

KYANKKS1@GMAIL.COM • (425) 892-0578 • KOTSCHEVAR-SMEAD.COM • GITHUB.COM/KYANPEPPER
LINKEDIN.COM/IN/KYAN-KOTSCHEVAR-SMEAD

EDUCATION

B.S. COMPUTER SCIENCE

Washington State University

Expected May 2026

Pullman, WA

Relevant coursework: Software Engineering, Operating Systems, Compiler Design, Computer Architecture, Data Structures & Algorithms, Linear Algebra, Multivariable Calculus, Statistics

Languages and Tools: C, C#, TypeScript, Go, SQL, PostgreSQL, ASP.NET Core, Flutter, VueJS, GCP, AWS, Docker

EXPERIENCE

SOFTWARE ENGINEER INTERN

Intellitect - 1on1 Piano - <https://app.1on1piano.com>

May 2024 - Present

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

Cloudflare – Cloesce

Aug 2025 - Present

- ◆ 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

DevSwipe LLC - DevSwipe - <https://devswipe.io>

May 2025 - Present

- ◆ 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

Intellitect - Avista Bill Rendering

May 2025 - Aug 2025

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

Triangle Fraternity

Mar 2023 - Present

- ◆ 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.