

Davit Mkhoyan

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SUMMARY

Computer Science junior at Washington State University (B.S. expected May 2028) who programs in C, C++, and Python. Founder of Peekly, a cross-platform AI desktop assistant designed and built through AI-agent development: planning the architecture, writing the specs, directing coding agents in Claude Code and Cursor, and verifying every change with an independent review agent. Seeking a software engineering internship.

EXPERIENCE

Founder & Lead Engineer

01/2026 – Present

Peekly — AI Desktop Overlay Assistant

Pullman, WA

- Designed and built a cross-platform (macOS and Windows) desktop assistant that captures the active screen on a global hotkey and returns answers from the Anthropic Claude API in a floating always-on-top overlay.
- Delivered the Tauri v2, React, and TypeScript codebase through AI coding agents rather than hand-written code: authored the specs, scoped each task, and gated every change behind review by a second, independent agent.
- Architected the backend and directed its implementation: a FastAPI service on Railway backed by Supabase Postgres, with authentication, row-level data isolation, conversation history, and subscription state.
- Planned Lemon Squeezy billing across a four-tier plan structure with server-side feature gating, plus prompt caching to cut per-request API cost; own every technical decision while coordinating a two-person founding team toward launch.

Outreach Chair

10/2024 – 05/2025

WSU Software Development Club

Pullman, WA

- Coordinated member involvement that resulted in 23 students showcasing software projects to external audiences; ran recruiting across faculty outreach, club fairs, Instagram, and Discord.

PROJECTS

AI Development Workflow — Multi-Agent Orchestrator & Ops Bot

2026

- Built the spec-driven process used to ship Peekly and Canvas Connect: a written operating constitution for coding agents (branch-only pull requests, halt on ambiguity, hard codebase invariants) run through Claude Code, Cursor, and custom skills and plugins.
- Deployed a multi-agent development orchestrator on Railway and GitHub Actions with a Supabase pgvector store, automating branch-scoped code changes behind pull-request review.
- Set up a Discord operations bot that monitors backend health, streams GitHub commit activity, and surfaces Railway error logs, with privileged commands locked to a single authorized user ID.

Canvas Connect — AI Academic Dashboard (trycc.vercel.app)

2026

- Designed and deployed, with AI-assisted development, a web app that syncs Canvas LMS data through the Canvas API into one dashboard of term averages, GPA, due dates, and exam schedules.
- Specified AI features over course data: grade what-if simulation, syllabus Q&A, generated study guides, rubric-based draft feedback, and one-click extension email drafting.
- Stack: React on Vercel, Supabase Postgres with row-level security, DeepSeek API; user-revocable Canvas tokens with credentials never sent to the model.

GageFit — iOS Fitness Coaching App

2026

- Developing, with AI-assisted development, an iOS app for a fitness coach to deliver programming to clients; currently distributed via TestFlight and pending App Store review.
- Stack: Supabase for auth and data, Vercel-hosted services, responsive HTML/CSS/JavaScript client UI.

K-12 Math Terminal Program — Crimson Code Hackathon

03/2024

- Hand-wrote an interactive terminal math tutor in C with adaptive difficulty, level progression, and file-I/O user profiles tracking points, accuracy, and correct-to-incorrect ratio.

TECHNICAL SKILLS

Programming Languages | C, C++, Python

AI-Assisted Development | Claude Code, Cursor, custom skills and plugins, spec writing, task scoping, multi-agent code review

Shipped via AI Agents | TypeScript, React, Rust (Tauri v2), FastAPI, SQL, HTML/CSS

Infrastructure & Tools | Supabase (Postgres, Auth, pgvector), Railway, Vercel, Git, GitHub Actions, Linux, VS Code

AI Engineering | Anthropic Claude API, DeepSeek API, prompt caching, vector search, multi-agent orchestration

EDUCATION & CERTIFICATES

B.S. Computer Science, Washington State University

Expected May 2028

Relevant Coursework | Advanced Data Structures & Algorithms, Computer Architecture, Discrete Structures, Linear Algebra, Calculus III

Certificate | NVIDIA Deep Learning Institute — Fundamentals of Deep Learning (November 2025)