

Matfiy Gritsyuk

Software Engineering student passionate about building applications, AI infrastructure, and embedded systems

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Education

Western Governors University, BS in Software Engineering – Sacramento, CA Aug 2026 – Aug 2028

- In-Progress; Projected to Graduate Spring 2028 (Accelerated Track; eligible for full-time roles in late 2027)
- Available for full-time internships in Fall 2026, Winter 2027, Spring 2027, and Summer 2027

Sierra College, AS in Computer Science – Rocklin, CA Aug 2024 – May 2026

- GPA: 3.89
- Completed coursework involving data structures, algorithms, and low level computer concepts

Experience

Full-Stack Developer | Production Director, FUEBC | First Ukrainian Evangelical Baptist Church Jan 2024 – present
– Roseville, CA

- Architected a distributed infrastructure (PostgreSQL + Railway) achieving a 99%+ uptime for a 200-member organization's real-time systems.
- Eliminated audio dropouts during live weekly broadcast by redesigning signal routing across a Dante network supporting over 40+ simultaneous input channels.
- Cut new-volunteer onboarding time by 75% by authoring network diagrams and documentation for 30+ volunteers with no prior AV/technical background.

Projects

Live AI Translation (Python) Jan 2026

A high throughput, agentic ML backend using FastAPI to process and analyze real-time streaming data across local LLM endpoints

- Engineered a real-time voice processing pipeline processing 2+ concurrent live audio streams at ~500ms latency, coordinating local Llama3 and Whisper Large-v3 inference via PyTorch/CUDA.
- Designed a FastAPI backend coordinating real-time WebSocket/API architecture across containerized (Docker) local LLM services, engineering for low-latency concurrent request handling.
- Leveraged AI code generation tools (Claude/Gemini) to rapidly prototype, test, and iterate on a real-time WebSocket/API architecture, accelerating development across the full backend stack.

Event Registration Web Application Jan 2026

Website and application designed for event registration and information for attendees

- Designed and shipped a full-stack web application utilizing React and Node.js for 2000+ attendees
- Architected a CI/CD pipeline (Git + Railway) with a PostgreSQL backend enforcing Row Level Security, supporting 2000+ concurrent users with zero downtime.

Skills

Languages: Python, SQL (PostgreSQL & SQLite), C, TypeScript, JavaScript, Java, Bash/Shell

AI/ML Technologies: Whisper Large-v3, Llama3, CUDA, PyTorch, AI Code Generation (Claude/Gemini)

Tools & Platforms: React, Node.js, Railway, AWS Amplify, Linux, Git, CUDA, Edge AI, REST APIs, Docker