Minh Tam Nguyen

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EDUCATION & ACHIEVEMENTS

Southern Alberta Institute of Technology Graduated April 2026
Diploma in Software Development - **GPA: 4.0/4.0**

*MegaHacks Hackathon - **2nd** Place* devpost.com/software/vibemap-r89y5l

SKILLS

- **Languages**: Python, TypeScript, JavaScript, Java, C#.
- **Frameworks & Libraries**: React, Next.js 15, Express.js, Node.js, React Native.
- **Database**: PostgreSQL, MongoDB, Prisma ORM, Supabase, Firebase, Redis.
- **Cloud & DevOps**: Azure, Vercel, Docker, Github Actions, OpenTelemetry, Inngest.
- **Testing**: Playwright (E2E), Vitest (Unit/Integration), TDD.
- **AI**: RAG pipelines, LLM Integration, Claude Code, Github Copilot.

PROJECTS

Multi-Tenant Barbershop Management Platform minhtam.info/allbarber
Role: Fullstack Developer | Technologies: Next.js, Typescript, Supabase, Redis, Inngest, Azure

- Directed a team of 6 developers to design and build a production-ready multi-tenant SaaS from scratch over an 8-month development cycle with Agile methodologies, conducting rigorous code reviews and standardizing backend response contracts to improve team delivery speed by 30%.
- Designed a 34-table PostgreSQL schema with Row Level Security (RLS) and proxy-based access control, ensuring 100% data isolation for 500+ simulated tenants.
- Engineered an event-driven architecture using Inngest for asynchronous appointment confirmation and notification fanout (Twilio/Postmark), incorporating retry-enabled workers to ensure reliability.
- Integrated complex POS infrastructure via Stripe Terminal/PaymentIntents, independently conquering API bottlenecks to automate multi-party tip-splitting and save owners 10+ hours/week in admin labor.
- Optimized system performance by implementing read-through Redis caching with tenant/role-scoped keys, reducing dashboard query latency and maintaining 99.8% uptime during 1,000-user load simulations.

AI-Powered Education Pathways Platform minhtam.info/pathr
Role: Backend Developer | Technologies: Next.js, Clerk, Convex, LLM, RAG

- Architected a deterministic 5-stage AI pipeline (Understand, Retrieve, Reason, Validate, Present) to generate structured career pathways for highschool graduates and international students while preventing model hallucinations.
- Developed a multi-namespace RAG retrieval system using 1536-dimensional embeddings and Reciprocal Rank Fusion, hardened with canonical-key mapping and semantic overlap checks to achieve an 80% relevance target.
- Implemented high-integrity recommendation services using OpenAI structured JSON outputs and error-handling guards, cross-referenced against the federal Job Bank API for real-time validation, increasing information accuracy by 90%.

VOLUNTEER EXPERIENCE

SAIT Codeblazers Feb 2025 – July 2025
Backend Developer Calgary, Canada

- Contributed to the backend development of a full-stack inventory management web application for a real client (Allenty) alongside a team of 4 developers during bi-weekly Agile sprints.
- Strengthened system robustness and data integrity by implementing strict input validation, data sanitization, and comprehensive try/except error handling, improved depreciation calculation accuracy by 30% through consistent date handling

Eucharistic Youth Group 2020-2024
Youth Leader Vietnam

- Collaborated with a team of 12+ volunteer leaders to plan and execute large-scale community events for 100+ attendees, seasonal camps, and fundraising initiatives, demonstrating strong project management and budgeting skills.