

Minh Tam Nguyen

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Calgary, Alberta

Software Development student at SAIT with a 4.0 GPA, specializing in backend development and real-time systems. Proven expertise in engineering complex SaaS architectures and implementing secure authentication protocols.

EDUCATION

Southern Alberta Institute of Technology - Diploma in Software Development

Sep 2024 - April 2026, GPA: 4.0/4.0

PROJECTS

AllBarber - Capstone SaaS for barbershop management - Tech Lead

Sep 2025 - current

- Engineered multi-tenant architecture using PostgreSQL RLS policies to isolate data for 500+ barbershops, implementing RBAC for owners and staff with Auth.js authentication.
- Built a real-time queue and booking system and implemented payment processing and monthly subscription plans for barbershops, with SMS notifications, reducing wait times by 25%.
- Improved user experience and system performance by optimizing workflows and database access.
- Led the capstone team by planning tasks, reviewing code, and collaborating to deliver features on time.

Sharie - Audio-sharing social platform

June 2025 - Sep 2025

- Engineered JWT authentication system from scratch with Express.js, implementing access/refresh token rotation, password hashing with bcrypt, and protected API middleware.
- Implemented messaging system and WebSocket connections for live conversations with message persistence to MongoDB
- <https://github.com/MinhTam2773/Sharie>

Ecommerce - React Native project

Nov 2025 - Sep 2025

- Developed a React Native ecommerce mobile app with product browsing, cart management, and checkout flow, implementing REST API integration for real-time inventory and pricing.
- Designed intuitive UI/UX with reusable components, gesture-based navigation, and smooth animations, while implementing Context providers for centralized state management across 15+ screens
- <https://github.com/MinhTam2773/Ecommerce>

ACTIVITIES

CODEBLAZERS - IT Club Member

Feb 2025 - current

- Contributed to backend development of a SaaS management tool using Node.js and TypeScript, collaborating with a team of 4 developers.

SAITSA - Volunteer

Feb 2025 - current

- Assisted in organizing 5+ campus events, including workshops and networking sessions for students.
- Participated in organizing community workshops, enhancing interpersonal skills while engaging with over 100 attendees.

SKILLS

- Languages: Java, TypeScript, C#, Python, HTML, PLSQL
- Frameworks: .NET (Blazor), React, ReactNative, NodeJS, NextJS, Expo
- Database: Postgres, MongoDB, Prisma ORM
- Tools: Git, Bash, Figma, Postman