Minh Phu Ngo

minh.phungo1021@gmail.com | (438) 538-3919 | Montreal | [Portfolio](#)

WORK EXPERIENCE

Teacher Union   **2025**
Software Developer Intern   *Montreal*
- As a Software Developer Intern, I led the development of a desktop application that significantly improved data handling and accessibility for union staff.
- Designed and set up a PostgreSQL database schema from scratch to support scalable, structured data management.
- Developed a document parser for both pdf and images to automatically process and insert bulk data. Reducing manual entry time increased data accuracy.
- Built a cross-platform desktop application, allowing non-technical staff to securely query, filter, and manage data, streamlining internal workflows and enhanced decision-making through reliable data access.

EDUCATION

Dawson College
DEC of Computer Science   *Montreal*
- Part of the rowing team, robotic and theatre club.

PROJECTS

Full-Stack Website School project
Technologies: MongoDb, Express, React, Node, Javascript, Gitlab CI/CD
- Developed a modern full stack website using the MERN stack, with MongoDBas the database, Express for server-side routing, React for a dynamic and responsive user interface and Node.js for backend logic.
- Implemented a responsive and performance-optimized UI with accessibility in mind, including server/client caching, server-side compression, optimized above fold css and javascript loading, minimized page load times.
- Built a robust and scalable backend, using MongoDB for data storage and performing efficient data filtering within queries to reduce client-side load.
- Test-Driven Development (TDD) using the Mocha/Chai along with Supertest and Sinon for integration testing.
- Designed and documented API endpoints for seamless data retrieval using Swagger.
- Fully Implemented a CI/CD pipeline to automate testing and build processes, ensuring reliable deployment.

Application management app
Technologies: ASP .NET CORE, Vite
- Developing a personal application designed to streamline and centralize job applications tracking with a strong focus on efficiency and maintainability.
- Design a full authentication oAuth flow with OpenID Connect, handle authorization with JWT and refresher token managing all data transactions securely.
- Engineered a fast, modern frontend using Vite and React, prioritizing clarity and responsiveness for intuitive data navigation and entry.
- Design a clean and scalable API to support robust user workflows, including role-based access.
- Emphasized modularity and maintainability, supporting potential future features such as reminders, analytics, or third-party API integrations.

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** AI Launch Lab.
- **Technologies:** C#, Javascript, Python, GitLab CI, Docker and Pl/SQL.
- **Interests:** Weightlifting, running, swimming, cinema.