

TONY (MINH-TRI) PHAM

Web Portfolio: tonypm.com

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Education

University of New Brunswick

Sep. 2024 – May 2028

Bachelor of Science in Computer Science

Fredericton, NB

GPA: 4.0 Dean's List 2025 - 2026 Hopper House Peer Mentor

Experience

RST Industry - JDI Transportation Division

Jan. 2026 – Apr. 2020

Associate Business Analyst

Saint John, NB

- Migrated 40+ legacy reports from Cognos to Power BI using SQL for extraction, transformation, and query optimization, and Power BI Report Builder Report for report development.
- Built a Power Automate workflow using Microsoft Forms to route driver and truck status submissions to the appropriate teams, reducing communication time by 90%.
- Built on-demand dashboards for the billing team, identifying gaps in existing reports that excluded full expense data and improving reporting accuracy and visibility.
- Provided hardware and software support as a primary point of contact for troubleshooting and end-user issues.

University of New Brunswick

Sept. 2025 – Dec. 2025

Teaching Assistant

Fredericton, NB

- Tutored students in Java I and Java II through supporting classroom activities, and assisting the professor with instruction and clarification of course material.
- Provided one-on-one and group academic support, helping students understand programming concepts, debug code, and strengthen problem-solving skills.

University of New Brunswick

Jul. 2025 – Aug. 2025

Computer Science Summer Camp Counselor

Fredericton, NB

- Led beginner-friendly coding workshops using p5.js, introducing youth learners to creative coding through interactive visuals and hands-on projects.
- Collaborated with teammates to manage classroom operations, technical setup, and student engagement, fostering an inclusive and supportive learning environment.

Projects

BMO - AI Assistant | *Python, PostgreSQL, Ollama, Hugging Face*

- Collaborated with another student to build a fully local AI voice assistant using Ollama (Llama 3.2) that supports voice interaction, web search via Tavily, and YouTube music playback.
- Developed a RAG pipeline to provide personalized knowledge to AI agents using Docling, PostgreSQL + pgvector, and sentence-transformers for semantic document retrieval.

StudHub - Android study tracker app | *Kotlin, Firebase*

- Built an Android study tracker app using Kotlin and Firebase with course management, study session tracking, and test logging.
- Implemented data visualizations (bar charts, scatter plots with linear regression) to correlate study time with academic performance.

Web Portfolio - tonypm.com | *HTML, CSS, Java Script*

- Built a mobile-first responsive portfolio with a clean UI featuring dark/light mode toggle and smooth cross-device layouts.
- Integrated a contact form via Web3Forms for seamless, backend-free message delivery.

Leadership

Residence Life

Sep. 2025 – Dec. 2025

Resident Assistant

University of New Brunswick

- Ensured accurate documentation and reporting for 100+ residents by maintaining detailed incident logs, schedules, and administrative records.
- Supported resident success by building strong relationships, responding to daily needs, and organizing events that fostered a positive and respectful residential community.

Technical Skills

Languages: SQL, Python, Java, C, HTML/CSS, JavaScript

Developer Tools: VS Code, MySQL Workbench, Git, Microsoft tools