

# Enzo Phang

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## Education

### UNIVERSITY OF PRINCE EDWARD ISLAND

Charlottetown, PE

Bachelor of Science, Major in Computer Science, CGPA: 4.12/4.3

Sep 2023 - May 2026

Relevant Coursework: Software Engineering, Database Systems, Operating Systems, Project Management, Data Structures, Computer Networks

Awards: Laura Cauty Memorial Scholarship (2025), Academic Excellence Award – 95–100% Average (2024), Ambrose Kwok-Yau Lee International Award (2024)

### TAYLOR'S UNIVERSITY

Subang Jaya, Malaysia

Bachelor of Computer Science (Transfer), CGPA: 3.87/4.0. Dean's List three consecutive semesters.

August 2022 – July 2023

## Technical Skills & Projects

**Programming:** Java, JavaScript, Python, C++, PHP, SQL, HTML, CSS

**Database & Data:** MySQL, MariaDB, MongoDB, SQLite, Database Design, Data Modelling, ETL Processes

**Tools & Platforms:** Git, Docker, CI/CD Pipelines, Node.js, React.js, WordPress, RESTful APIs, Agile Development

**Guide on the Side – Interactive Tutorial System:** CS-4810/4820 Capstone

Sept. 2025 – Present

- Designed and built a PIPEDA-compliant analytics system with 3 custom MariaDB tables, aggregate data pipelines, and a multi-view admin dashboard with CSV export for a WordPress/Pressbooks plugin serving UPEI Library.
- Implemented pure CSS/SVG data visualizations for tutorial completion rates, step-by-step engagement metrics, and per-question answer distributions – zero external CDN dependencies.
- Served as Communication Rep and client liaison in a 5-person Agile team, drafting sprint documentation, coordinating stakeholder reviews, and managing the GitHub repository.

### Electronic Medical Records System

- Developed a full-stack business application with complete CRUD operations, data validation, error handling, and an efficient database management system using object-oriented design principles.

### Urban Farm Monitoring System

- Built a cross-platform monitoring application using Flutter and computer vision with real-time API integration for agricultural data communication and complex system architecture.

## Relevant Experience

### UPEI DEPARTMENT OF COMPUTER SCIENCE & MATHEMATICS

Charlottetown, PE

#### Computer Science Lab Assistant & Calculus Tutorial Assistant

September 2025 – Present

- Facilitated weekly tutorials in Java, Git, and Gradle for 135+ students, reinforcing core programming and version control concepts.
- Provided step-by-step debugging support and identified common blockers to minimise individual help time across mixed proficiency levels.
- Graded assignments and provided constructive feedback, adapting technical explanations for students at varying skill levels.

**YUMI SUSHI**

**Server & Operation Coordinator**

Charlottetown, PE  
April 2024 – Present

- Executed vendor management across 7+ suppliers, achieving a 47% cost reduction through strategic negotiations.
- Implemented operational management procedures for team scheduling and managed financial reconciliation with 100% accuracy.

#### **Leadership and Activities**

**MATHEMATICAL & COMPUTATIONAL SCIENCES STUDENT SOCIETY, UPEI** Charlottetown, PE  
**Treasurer & Technical Lead** September 2023 – August 2024

- Managed budget preparation and financial oversight for the student organisation while leading technical workshop initiatives.
- Coordinated with stakeholders to organise programming sessions and maintained documentation and operational infrastructure.

#### **Skills & Interests**

**Languages:** English (Fluent), French (CEFR B2), Mandarin (Native), Cantonese (Native), Malay (Fluent), Hokkien (Conversational),

**Interests:** Malaysian Cuisine & Entrepreneurship, Personal Finance & Investment Analysis