

# VY TRAN

*Willing to relocate*

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## EDUCATION

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### Diploma in Computer Programming

May 2022 - Present

Algonquin College, Ottawa, Ontario

- Dean's Honour List, GPA: 3.85/4.0
- Undergraduate Coursework: Mobile Programming (Android development), Object - Oriented Programming, Operating Systems, Database Systems (PL/SQL), Web Programming, Data Analytics, Network Programming, Business Intelligence and Data Analytics

### Bachelor of Finance

July 2012 - May 2016

University of Economics, Ho Chi Minh City, Vietnam

- GPA: 3.3/4.0

## PROJECTS

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### Banking System Application

Jan 2023 - Jan 2023

Java/JDBC/SQL

- Designed and implemented a Java-based banking application using Strategy Design Pattern which enables users to create accounts, perform deposit and withdrawal transactions, and review balances
- Included try catch block to handle abnormal termination such as invalid input type and negative numbers
- Implemented Data Access Object (DAO) design pattern to abstract and encapsulate all access to the data source
- Utilized JDBC to handle transactions and gain access to a database that securely stores accounts and customer information

### Bakery Website

Dec 2022

PHP/JavaScript/PHP/HTML/CSS/SQL

- Developed a resilient and versatile website, integrated database functionality on the backend, and incorporated a comprehensive search feature
- Created a registration form where users can log in or register a new account
- Implemented server-side and client-side validation mechanisms that resulted in a 50% reduction in error rates for form submissions

### Titanic Survival Prediction

Jan 2023

Weka

- Analyzed Titanic survivors dataset and created machine learning algorithm using Weka to predict the survival of Titanic passengers
- Performed classification using Decision Trees with 10-fold cross validation on the dataset with 81% accuracy
- Projected the survival rate by utilizing the confusion matrix and compared the obtained outcomes with the actual incident information

## SKILLS & COMPETENCIES

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- Languages - Technologies: Java, JavaScript, SQL, XML, PHP
- Software Tools: Android Studio, Visual Studio, Eclipse, Microsoft SQL Server, Oracle, MySQL Workbench, NetBeans

- Operating Systems: Windows 10, Windows 11, Ubuntu, Linux/Unix
- Database: MySQL, Oracle, SQL Server
- Familiar with Data Structures, Python
- Knowledge of Git/GitHub, Algorithms, Agile methodology, Design Pattern

## INTERPERSONAL SKILLS

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- Time management
- Problem solving
- Collaboration
- Detailed - oriented
- Stress management

## EMPLOYMENT

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### Waitress

Jan 2019 - Present

Kanata Noodle House, Ottawa, ON, Canada

- Welcome customers, answer questions, and provide casual conversation
- Assisted supervisors in training 5+ new employees in three months
- Led a team of 4 on some days with nearly \$10,000 in sales
- Use effective time-management strategies to schedule tasks and complete work

### Co-Owner

Aug 2017 - Aug 2018

Song Cafe Pastry, Ho Chi Minh City, Vietnam

- Developed and built a business plan to ensure maximum profits with minimal risk such as cost-cutting measures and market research, led to a significant increase in revenue of 100% within six months
- Achieved 100% accuracy in processing payrolls and maintained a 90% employee retention rate over a period of 10 months
- Maintained a clean and organized environment, conducive to customer satisfaction