

Van Q. Tran

FULLSTACK DEVELOPER - MACHINE LEARNING DEVELOPER - DATABASE ADMINISTRATOR

Calgary, Alberta, Canada

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"In order to grow high, a tree must grow a deep root. That is why I believe understanding theoretical level of any tech is a must to master it"

Summary

I graduated from University of Calgary with an Honours degree in Computer Science in 2021. During my studies, I was amazed with what can be done with data, which is why I decided to attend the SAIT DBA program from 2022 to 2023 to enhance my database skills. I am a fast learner and eager to start my career working with data. I have completed multiple solo projects and group projects with topics ranging from simple websites to complicated theoretical projects.

Work Experience

Student Services University of Calgary

Calgary, Alberta

NOTETAKER

Sept. 2018 - Dec. 2018

- Collected detailed and comprehensible notes for students with special needs who may be unable to attend tutorials or lectures.

DynamicsLearning.ca

Remote

COMPUTER SCIENCE TUTOR

Sept. 2021 - Sept. 2022

- Provided extra help for first and second year students with lectures, helped students to debug codes, and created pseudo-algorithms for assignments

Education

University of Calgary

Calgary, Canada

HONOR B.S. IN COMPUTER SCIENCE MINOR IN MATH AND DATA SCIENCE

Sept. 2016 - May. 2021

Notable Courses:

- CPSC 571: Built a scheduler for database using survival of the fittest algorithms for the shortest SQL query time
- CPSC 565: Built a simulation of a primitive fantasy society based on the game called Don't Starve using cellular automata and survival of the fittest algorithms (CPSC 2019 Showcase)
- CPSC 599: Built a decision tree based on given traffic dataset to discover unknown pattern
- DATA 501: Built a system that fetched data from Riot Games API to analyze and recommend gameplay strategies using learning tree
- CPSC 502 (Honor Thesis): Contributed to creating pseudo-algorithms for secure multiple-party computation that required only one round trip time using index-fetching techniques

Southern Alberta Institute of Technology

Calgary, Canada

DBA FAST TRACK PROGRAM

Sept. 2022 - May. 2023

Notable Project:

- Travel Agency Database that was built from scratch to fully operational with different technique to ensure the stability, security, and hardware failure tolerance of the database.

Honors & Awards

2017-2021 **Receiver**, Jason Lang Scholarship

Calgary, Alberta

2019 **Chosen Participant**, University of Calgary Computer Science Year-end Showcase

Calgary, Alberta,

2022 **Receiver**, New Beginnings Bursary

Calgary, Alberta,

Skills

Back-end Express, REST API, Docker, Kubernetes, Tableau, PowerBI

Front-end Redux, React, HTML5, CSS3, SASS, NextJS

Database ORACLEDB, SQLSERVER

Database Skill Administration, Backup & Recovery, OPatching, DBVaulting, DBFW, Performance Tuning, Data Warehouse

Machine Learning Framework Tensorflow, Pytorch, OpenCV

Programming JavaScript, Python, JAVA, C, C++, R, Haskell, SQL, PLSQL, TSQL