

Thang Tran

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Education

University of Windsor

Honours Computer Science B.S.

Software Engineering Specialization; 94.3% Cumulative Average

Windsor, ON

September 2021 – December 2024

Experience

University of Windsor

Teaching Assistant

Windsor, ON

September 2022 – Present

- Plan and facilitate lab sessions for 25+ students in Object-Oriented Programming using Java (COMP-2120) course
- Provide feedback and tutorial during weekly office hours, grade assignments, examinations

HSBC Canada

Software Engineer Intern

Vancouver, BC

May 2022 – Present

- Develop iOS applications (WealthDashboard and StockTrade) using Swift, Objective-C, Xcode and other frameworks like RxSwift or RxCocoa
- Collaborate as a member of an agile team, debug and troubleshoot over 50+ defects assigned on Jira
- Write and update 40+ unit tests to increase test coverage by 25% across the team codebase using XCTest

University of Windsor Computer Science Society

Software Developer

Windsor, ON

January 2022 – Present

- Operate the Discord bot used in UWindsor CSS's Discord server with 1000+ members
- Create and maintain 15+ different commands and services using TypeScript, Discord.js and PostgreSQL

SickKids Hospital - IEMHP

Fullstack Software Developer Intern

Toronto, ON

February 2022 – September 2022

- Customized Material UI components to deliver new features and improve user interface using ReactJS and TypeScript
- Designed and implemented REST API and custom JWT authorization in NodeJS backend server
- Programmed store procedures to connect Express with MSSQL and optimized database queries, making queries 15% faster

Projects

D.C Finisher Home Repair & Maintenance

- Created a web application to manage content and introduce family business by using MERN Stack
- Integrated NextJS to utilize Server Side Rendering and enhance SEO performance

Easyowe

- Devised during WinHacks to help friends and groups track bills and manage their shared expense
- Produced within a weekend and won the "Best UI/UX" prize for the design
- Constructed Frontend by NextJS and TypeScript and Backend by ExpressJS and MongoDB

Ecommerce Store

- Fabricated ASP .NET Web API and utilized Entity Framework to query data from MSSQL
- Built client side using React, NextJS, Material UI and managed actions using Redux
- Integrated Stripe to accept payments, hosted API on Azure and deployed NextJS app to Vercel

Skills

Backend and Database: C, C++, C# - ASP.NET, NodeJS, ExpressJS, MSSQL, MongoDB, PostgreSQL

Tools and Technologies: HTML5, CSS3, Bootstrap, JavaScript, ReactJS, NextJS, Github, Git, Docker

Cloud and Data Science: Python, Tensorflow, R Programming, SQL, Tableau, Azure, DigitalOcean

Mobile Development: Objective C, Swift 5, Xcode 13, RxSwift, RxCocoa