

Thang Tran

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Education

University of Windsor **Windsor, ON**
Honours Computer Science B.S. September 2021 – December 2024
Software Engineering Specialization; 94.3% Cumulative Average

Experience

University of Windsor **Windsor, ON**
Teaching Assistant September 2022 – Present
– Plan and facilitate lab sessions for 25+ students in Object-Oriented Programming (COMP-2120)
– Provide feedback and tutorial during weekly office hours, grade assignments, examinations

HSBC Canada **Vancouver, BC**
Software Engineer Intern May 2022 – November 2022
– Developed iOS applications (WealthDashboard and StockTrade) utilize Swift, Objective-C, Xcode and other frameworks such as RxSwift or RxCocoa
– Collaborated as a member of an agile team, debugged and troubleshoot over 50+ defects assigned on Jira
– Wrote and updated 40+ unit tests to increase test coverage by 25% across team codebase using XCTest

University of Windsor Computer Science Society **Windsor, ON**
Software Developer January 2022 – Present
– Operate the Discord bot integrated 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 **Toronto, ON**
Fullstack Software Developer Intern 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 organize 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 controlled shared expense
– Produced within a weekend and won "Best UI/UX" prize for 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

Technical 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