Thang Tran

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Education

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

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 troubleshot 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