

Thang Tran

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Education

University of Windsor
Bachelor of Science Honours Computer Science
Software Engineering Specialization

Windsor, ON
September 2021 – December 2024

Experience

KnockNow **Remote**
Fullstack Software Developer Intern January 2023 – Present

- Implement and deploy new REST API endpoints utilizing Python, Flask, Docker and MySQL
- Coordinate with teams to enhance and produce 20+ new UI components with ReactJS, CSS and Material UI
- Automate newsletter production process, reduce manual effort by 80%, through serverless architecture and AWS CodePipeline, CodeBuild, Lambda, SES, RDS and Python

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 mobile banking app features with Swift, Objective-C and frameworks RxSwift, RxCocoa
- Collaborated as a member of an agile team, debugged and troubleshooted 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
- Reconstruct the main web application with Golang, PostgreSQL and Docker

SickKids Hospital - IEMHP **Toronto, ON**
Fullstack Software Developer Intern February 2022 – September 2022

- Customized Material UI components to deliver new features using ReactJS and TypeScript
- Designed and implemented REST API and custom JWT authorization in NodeJS and ExpressJS backend server
- Programmed SQL Server stored procedures and improved database query performance by 15%.

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

E-commerce 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, JavaScript, TypeScript, ReactJS, NextJS, Github, Git, Docker

Cloud and Data Science: Python, Flask, AWS, MySQL, Tableau, Azure, DigitalOcean

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