

Tam Nguyen

tamnguyen820.github.io | tam.nguyen1@uwaterloo.ca | linkedin.com/in/nguyenmtam | github.com/tamnguyen820

EDUCATION

University of Waterloo

Bachelor of Computer Science, Honours

Sep 2020 – Apr 2024

GPA: 3.83/4.00 (89%)

EXPERIENCE

Full Stack Developer Intern

Sep 2023 – Dec 2023

SS&C Technologies

Toronto, ON

- Led a MediaWiki project by constructing **5+ GitHub Actions** workflows to support canary deployment, reducing code duplication by **60%**, and improved reliability with NGINX web servers and AWS S3 connections
- Built REST API with **Java Spring Boot** and integrated API calls into the core **Angular** application to provide user manual for **40+** pages
- Managed **PostgreSQL** database migrations and composed comprehensive guidance content to transfer knowledge on the operations of the MediaWiki project

Full Stack Developer Intern

May 2023 – Aug 2023

Milk Moovement

Halifax, NS

- Accelerated onboarding for **2 new clients** by building **15+ React** reusable forms, components, and extracting region-specific configurations
- Supported microservice architecture migration by creating serverless endpoints with **AWS Lambda and Kinesis** for data filtering and transformation
- Built internal tools to provide seamless **synchronization** of data between **MongoDB and Amazon DynamoDB**

Back End Software Engineer Intern

Sep 2022 – Dec 2022

Index Exchange

Toronto, ON

- Developed the first ever **Cucumber** automated End-to-End testing solution in the team for **7+ Go microservices** to promptly detect service failures, resulting in a **10%** reduction in downtime
- Improved **GitLab CI/CD** pipelines for automated testing, deployment orchestration, publishing Docker images, Jira ticket validation, Swagger documentation generation, and commit linting
- Increased coverage metrics and optimized API endpoints by refactoring code and writing **50+** unit tests, integration tests, and End-to-End tests

Front End Developer Intern

Jan 2022 – Apr 2022

SS&C Technologies

Toronto, ON

- Developed **20+ Vue.js** components adhering to **AODA Standards** with a focus on responsiveness and accessibility
- Created stateful routing functionalities for general site routing and unique flows for user signup scenarios

Front End Developer Intern

May 2021 – Aug 2021

SS&C Technologies

Toronto, ON

- Collaborated with a team to develop a modern **Vue.js** web application to replace a legacy product
- Built **10+** pages and integrated API calls to display and update user financial investments and retirement plans

PROJECTS

TechGo | Golang

github.com/tamnguyen820/techgo

- Built a terminal application in **Go** to aggregate news articles from multiple RSS feeds
- Applied software design patterns and object-oriented concepts to structure commands and state management

VChess | Vue.js, Stockfish, Socket.io, Node.js, Express.js, MongoDB

v-chess.netlify.app

- Developed a **Vue.js** web platform for real-time online chess playing, training, and engine analyzing

SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, Python, Java, Kotlin, Golang, C, C++, Dart

Technologies: Vue.js, React, Angular, Node.js, Express.js, Tailwind CSS, Bootstrap, Cucumber, Jest, Flutter

Tools: Git, AWS, MongoDB, PostgreSQL, GitHub Actions, GitLab CI/CD, Postman, Docker, Swagger, Argo CD, Grafana