

Tam Nguyen

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

SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, Python, Java, Kotlin, Go, 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

EXPERIENCE

Full Stack Developer Intern

Sep 2023 – Dec 2023

SS&C Technologies

Toronto, ON

- Built REST API with **Java Spring Boot** and integrated API calls into the core **Angular** application to provide user manual for **40+** pages
- Led a MediaWiki project by constructing **5+ GitHub Actions** workflows and composite actions for application deployment, extensions installation, Nginx server setup, and app monitoring/analytics in **Grafana**
- Managed **PostgreSQL** database migrations and composed comprehensive guidance content for the MediaWiki project's operations knowledge transfer

Full Stack Developer Intern

May 2023 – Aug 2023

Milk Moovement

Halifax, NS

- Developed **15+ React** reusable forms, components, and region-specific configurations to accelerate the onboarding processes for **2 new clients**
- Advanced company's transition to a microservices architecture by creating serverless endpoints with **AWS Lambda** and **Kinesis** for data filtering and transformation
- Built internal tools to provide seamless **synchronization** of user profiles, hauler transactions, and milk quality reports between **MongoDB** and **Amazon DynamoDB**

Back End Software Engineer Intern

Sep 2022 – Dec 2022

Index Exchange

Toronto, ON

- Designed and implemented a Cucumber-based automated **End-to-End testing** solution for **7+ Go microservices** to promptly detect service failures and minimize downtime
- Continually improved **GitLab CI/CD** pipelines for automated testing, deployment, publishing Docker images, Jira ticket validation, Swagger documentation generation, and commit linting
- Increased code quality metrics by refactoring code and writing **50+** unit, integration, and End-to-End tests

Front End Developer Intern

Jan 2022 – Apr 2022

SS&C Technologies

Toronto, ON

- Developed **20+** features, pages, and reusable **Vue.js** components adhering to **AODA Standards** with a focus on responsive design 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

Chess Web App | 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

Translation Mobile App | Flutter, AWS, Google Translate API

github.com/tamnguyen820/translatify

- Built a **Flutter** mobile app to identify and translate 70+ languages, featuring text-to-speech and image recognition

EDUCATION

University of Waterloo

Sep 2020 – Apr 2024

Bachelor of Computer Science, Honours (GPA 89%)