Tam Nguyen

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

EDUCATION

University of Waterloo   Sep 2020 – Apr 2024
Bachelor of Computer Science, Honours   *GPA: 3.83/4.00 (89%)*

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 to support canary deployment, reducing code duplication by **60%**, and debugging connection issues with NGINX web servers and AWS S3
- 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*
- Developed **15+ React** reusable forms, components, and region-specific configurations to accelerate the onboarding processes for **2 new clients**
- 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*
- Designed and implemented a **Cucumber** automated End-to-End testing solution 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

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
- Applied software design patterns and object-oriented concepts to structure services and state management

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