

Huy Tran

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SUMMARY

Software Engineer with a strong background in web development, GIS technologies, and test automation. Passionate about continuous learning and developing impactful projects.

SKILLS & TECHNOLOGIES

Languages: JavaScript, TypeScript, HTML, CSS, Python, PHP, Java, SQL

Technologies: React, Redux, React Query, React Testing Library, NextJS, Vue, Pinia, OpenLayers, TailwindCSS, Cypress, Selenium, Laravel, WordPress, Docker, GitHub Actions, Git, GraphQL, RestAPI, Postman, Figma

EXPERIENCE

Luna Geospatial

London, ON

Frontend Engineer

September 2023 – December 2024

- Implemented key features for an [Enterprise Mapping platform](#) including Layer Grouping and Sharing, Notes, Attribute Table, leading to successful yearly subscriptions by multiple customers.
- Spearheaded development of end-to-end Cypress Test suites, Github Actions workflows with the matrix strategy, enhancing deployment efficiency.
- Transitioned to TailwindCSS from Bootstrap, improving maintainability and enhancing development productivity.
- Built and delivered custom GIS applications, providing tailored solutions to meet diverse client needs.
- Optimized a data analysis tool's performance through efficient pagination and concurrent HTTP requests, reducing load times by 300%.
- Provided regular updates and demos during client-facing meetings, ensuring high satisfaction levels.

Got It Inc.

Hanoi, VN

Frontend Engineer

June 2021 – August 2022

- Designed and developed an interactive, expandable tree for visualizing and configuring conversational data in [an AI chat-bot configuration application](#) with React, React-flow, and D3-tree.
- Implemented a React component to highlight and annotate user input phrases for AI training data, utilizing native DOM API for better performance.
- Led technical design and code reviews to improve the quality of codebases across frontend and test automation teams.

Test Automation Engineer

August 2019 – May 2021

- Designed test cases and implemented end-to-end automated test suites with Python, Selenium, and Cypress.
- Developed a custom test suite for critical production features with real-time reporting via Slack bots.
- Mentored QA members and interns in programming and test automation tools.

Immune Tolerance Network – Massachusetts General Hospital

Bethesda, MD

Test Automation Engineer

July 2018 – June 2019

- Designed and implemented Selenium test cases to validate over 1000 reports across 50 studies for a research publication website and other core features, reducing 90% manual testing effort using Java, Selenium, and Cucumber.

PROJECTS

Earthquake Map | [GitHub](#) 📄 | [Demo](#) 🌐

- Built an application to track worldwide earthquake activity using React, React Query, and OpenLayers.

Graph Algorithm Visualizers | [GitHub](#) 📄 | [Demo](#) 🌐

- Developed a tool to visualize BFS and DFS algorithms with animated transitions using React and TailwindCSS.

Additional Projects: [Grade Tracker](#) (React Native, SQLite, Typescript), [Text Diff Component](#) (Vue, jsdiff), [Expense Tracking App](#) (Laravel, React), [Personal website and LeetCode blog generator](#) (NextJS, React, Github Pages, GraphQL).

EDUCATION

Worcester Polytechnic Institute | Worcester, MA

August 2014 – May 2018

Bachelor of Science in Computer Science

GPA: 3.7/4.0

- Built [a React application](#) to visualize drug adversary interactions for the Major Qualifying project. [Featured article](#).
- Contributed to the Biology & CS research group, creating [a bee data collecting mobile application](#) using Angular.

CERTIFICATION

Postgraduate Certificate in Web and Mobile development – Fanshawe College

Sept 2022 – Dec 2023