

HIEP NGO

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Profile

Front-End Engineer proficient in HTML, CSS, SASS, and JavaScript, with experience building responsive, user-focused web apps. Strong in UX/UI design, performance optimization, and writing clean, scalable code. Excellent problem-solving skills and a collaborative team player in Agile, Git-driven environments. Open to relocate anywhere in Canada.

Skills & Technologies

JavaScript, TypeScript, HTML5, CSS3, SASS, ReactJS, React Native, Next.js, RESTful API, Express.js, Firebase, SQLite, Supabase, Git, AWS, Next.js, Node.js, Angular, Figma, Java, Python, C++, C#

Academic Qualifications

Centennial College, Toronto, ON

Graduated: April 2024

Advanced Diploma: Game Programming

Relevant Coursework:

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| - Web Development (HTML, CSS, JavaScript) | - Object-Oriented Programming (C++, Java) | - Computer Graphics & Rendering Techniques |
| - Data Structures and Algorithms | - Mobile App Development | - Agile Software Development |
| - Mathematics for Game Development | - UI/UX Design Principles | - Database Design & SQL |

Independent/University Projects

Grocery App – E-commerce Front-End Web Application

Website: <https://hiepngo-grocery.vercel.app/> | Source code: <https://github.com/JayceNgo/grocery-mart>

- Designed a modular e-commerce front-end using domain-driven structure with responsive and user-friendly UI for cross-device consistency.
- Developed the entire UI using React, TypeScript, SCSS, and Zustand state management, creating reusable components and improving code consistency.
- Deployed the application on Vercel using Vite bundler with lazy loading and code-splitting to optimize load time and user experience.
- Improved performance by reducing bundle size by 25%, minimizing re-renders by 30–50% with memoized Zustand selectors, and optimizing image assets.
- Measured performance improvements with a 40% faster initial load time, 80ms UI response time, and a Google Lighthouse score of 92/100 across Performance, Accessibility, Best Practices, and SEO.

Veterinarian – Fullstack Web Development

Website: <https://petwallet-eight.vercel.app> | Source code: <https://github.com/JayceNgo/Veterinarian-FullStack>

- Designed a modular full-stack architecture using domain-based folders, shared utilities, and type-safe interfaces to ensure scalability and maintainability.
- Developed both front-end and back-end features using React, JavaScript, MongoDB, and server-side performance optimizations.
- Collaborated with a backend teammate to optimize API structure, implement efficient pagination, and reduce query overhead on large datasets.
- Deployed the full-stack application to Vercel with automated CI/CD, enabling zero-downtime releases and traceable build history.
- Improved front-end performance by reducing bundle size by 30% via dynamic imports and tree-shaking, and re-renders by 40% using React memoization.
- Achieved sub-86ms latency on key endpoints and 52% faster API response times, delivering a highly responsive user experience.

Extracurricular Activities

Guardian's Best, Toronto, ON

Summer 2019

Volunteer, Animal Rescue

- Utilized strong problem-solving skills and a visionary approach to optimize visitor flow, reducing waiting times and creating a stress-free adoption experience for over 600 visitors.
- Applied analytical thinking and a committed mindset to streamline parking logistics, enhancing efficiency and ensuring a seamless arrival process for adopters.
- Resolved logistical challenges with a customer experience mindset, contributing to 450+ positive feedback responses and improving overall satisfaction.