Nathanael Wung

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EDUCATION

University of Toronto
Bachelor of Applied Science (B.A.Sc) in Electrical & Computer Engineering + PEY Co-op   *Expected 2028*

SKILLS

Programming & Scripting: Python, C/C++, Java, JavaScript, TypeScript, HTML, CSS, SQL, React, Node.js, Next.js, Tailwind CSS, Vue.js, Quasar Framework
Tools & Platforms: Linux/Unix, AWS (Basics), Git/GitHub
Software Concepts: Object-Oriented Programming, REST APIs, Microservices, Debugging & Optimization, Relational Databases (SQL, NoSQL), Testing & CI/CD pipelines
Professional: Transferable (Critical Thinking, Communication, Collaboration), Languages (English, Chinese, Indonesian)

EXPERIENCE

Front-End Web Developer   May 2024 – Aug. 2024
Educa8.Info   *Jakarta, Indonesia*

- Developed websites for schools' student, teacher, parent, and administrator portals using HTML, CSS, and JavaScript, leveraging Vue.js within the Quasar Framework
- Communicated with back-end developers to resolve API integration and data sync issues using Chrome DevTools, and improved API response times by 30% through reducing payload size
- Utilized SQL queries in MySQL via phpMyAdmin to verify that data stored, edited, or deleted through the User Interface was accurately reflected in the database
- Presented to and communicated with clients, ensuring the websites met their needs, gathered feedback, and made further refinements to enhance overall User Experience

LEADERSHIP

Senior Full-Stack Developer   Jan 2025 – Present
Engineers Without Borders: University of Toronto Chapter   *Toronto, Canada*

- Developed and maintained the chapter's website using React, TypeScript, and Node.js, improving load times by 25% and enhancing accessibility
- Led and mentored a team of 6 developers, providing technical guidance and constructive feedback through code reviews and debugging sessions
- Implemented CI/CD pipelines, automating build, testing, and deployment processes to ensure faster releases and consistent code quality

Full-Stack Developer   Oct 2024 – Present
University of Toronto Machine Intelligence Student Team   *Toronto, Canada*

- Redesigned the organization's website using Figma, enhancing UI/UX for improved accessibility and engagement
- Developed and deployed a responsive, high-performance web platform using React, Next.js, Tailwind CSS, and TypeScript for seamless content management
- Improved site load times by 35% and enabled non-technical team members to manage content efficiently, increasing engagement with AI resources

PROJECTS

Messaging Website | GitHub | Website | Video Demo   June 2024 – Aug 2024

- Developed using HTML, CSS, JavaScript, leveraging Vue.js within the Quasar Framework to facilitate real-time interaction between users
- Utilized Firebase Authentication to store users' name, email, and registration date for secure logins
- Displays user online/offline status, last seen dates, and supports name updates, all reflected in Firebase Realtime Database
- Supports text, emoticons, and image sharing with image previews, timestamps, dynamic date labels, and message deletion options, all synced with Firebase Realtime Database
- Actively used by over 50 users

Notes Website | GitHub | Website | Video Demo   May 2024 – June 2024

- Developed using HTML, CSS, JavaScript, leveraging Vue.js within the Quasar Framework to enable users to take notes and track note statistics
- Utilized Firebase Authentication to store users' email and registration date for secure logins
- Allows users to edit and delete notes, view creation date and time, track characters per note, and access stats such as total notes and characters
- Currently utilized by over 100 users, with more than 500 notes created to date