

# Quan Nguyen

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## EXPERIENCE

**Research Assistant** - Department of Anesthesiology, UMN, MN

Mar 2024 - Present

- **Technical lead** for the medical research team, overseeing all aspects of software development, including websites and mobile applications.
- Increased accessibility to research programs by engineering **3** websites using **Drupal**, **HTML5**, **CSS3**, and **JavaScript**
- **Engineered a cross-platform mobile application** using **React Native**, **JavaScript**, and **Tailwind CSS** to track and analyze patient pain levels on both iOS and Android devices, ensuring a consistent and intuitive user experience.

**Backend Developer Intern** - SkyIT, remote

May 2024 - Aug 2024

- Enhanced task assignment and tracking efficiency by implementing 2 key features using **Python** and **Django REST** for the company's task assignment web application, improving workflow automation and usability for team members.
- Designed and optimized server-side logic using **PHP** and integrated scalable solutions on **AWS** to improve platform reliability.
- **Developed and maintained unit tests** to ensure seamless integration of new features within the company's task assignment platform, significantly reducing regression issues.
- Facilitated team collaboration by leading meetings to review development progress and ensure alignment with project goals.

**WordPress Developer Intern** - Switchboard BBS, MN

May 2024 - Aug 2024

- Enhanced and maintained a community **WordPress** site by developing new features, optimizing existing pages, and ensuring seamless user experience across devices.
- Collaborated with stakeholders to gather requirements and integrate custom plugins for better site functionality.

**Full-stack Web Developer Intern** - Newwave Solutions, Hanoi

Aug 2023 - Dec 2023

- Optimized user account management and strengthened system reliability for over 1,000 active users by deploying **RESTful APIs** with **TypeScript**, **NodeJS**, and **NestJS**, covering authentication, session management, and profile operations.
- Ensured robust performance of admin/user APIs by API testing and validation using a staging database, Postman, Swagger, and **SQL** queries to verify and manipulate data.
- Led the creation and design of a fully functional website, crafting intuitive user interfaces and ensuring responsive, user-friendly interactions using **JavaScript**, **HTML5**, and **CSS3**.

**Product Management Intern** - Fazz Financial, Singapore

May 2022 - Aug 2022

- Boosted transaction flexibility and efficiency for 500+ users by launching a new multi currency transaction feature, expanding the company's financial services.
- Enhanced brand identity and increased user engagement by successfully launching the company's rebranding project.
- Collaborated with clients to define and analyze product requirements, ensuring alignment with business goals and customer needs.
- Conducted in-depth market research and compiled reports, proposing product and feature ideas.

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## SKILLS

**Programming Languages:** Java, Python, C/C++, OCaml, Assembly, MySQL, HTML5, CSS3, TypeScript, JavaScript

**Frameworks:** ReactJS, React Native, NodeJS, NestJS, REST API, JSON, JUnit, Django

**Platforms & Tools:** Linux/Unix, Git, Github, Oracle, VSCode, Android Studio, MongoDB, TablePlus, Docker, Slack, Notion, Jira, Swagger, Postman, Figma, Canva, MS Office, Excel, IntelliJ, WordPress

**Development Methodologies:** Agile, Scrum, Waterfall

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## PROJECTS

**Google Maps Integration:** Created an interactive web interface that displays nearby points of interest based on user clicks. Built with JavaScript and the Google Maps API, using asynchronous requests to fetch and display data. Implemented location autofill features and proximity-based search with JSON responses.

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## VOLUNTEER & LEADERSHIP

**Jr. Software Engineer Intern** - Y STEM and Chess, Remote

Feb 2024 - Apr 2024

- Designed and tutored Python programming lessons to beginners, focusing on fundamentals, data structures, and problem-solving skills.

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## EDUCATION

**University of Minnesota** - Minneapolis, MN

Expected Graduation: Dec 2024

Major: Computer Science (BS) | Minor: Management