Guo Yichen

Mobile No.: (+65) 8942 3938 | Email Address: YGUO017@e.ntu.edu.sg

https://guoyichen.netlify.app/ | https://www.linkedin.com/in/guo-yichen-63756829a/

Internship Objective

Seeking to apply for a Software Engineer Internship **(from May to Aug 2025 with further semester credit-bearing availability)** in your organization. A motivated full stack developer with proven programming skills in Java and ReactJS, a solid understanding of software architecture and design patterns, eager to apply technical expertise and collaborate on innovative enterprise solutions.

Education

Nanyang Technological University, Singapore   **Aug 2023 – May 2027 (Expected)**

Bachelor of Computing (Honours), Computer Science with 2nd Major in Business

❖ Honors (Highest Distinction) (Current) | GPA 4.80/5 | Dean's List for AY23/24
❖ Relevant Coursework - Object Oriented Design & Programming, Data Structures and Algorithms
❖ Online Module - Google Advanced Data Analytics , IT Support, Program Management (Coursera)

Skills

❖ Programming: JavaScript, HTML5, CSS3, Python, Java, C, R
❖ Full-stack Development: React.js (Next.js), Tailwind CSS, Chrome browser plugin development, Node.js
❖ Data Analytic: Data Visualization, Data Cleaning, Machine Learning (Pandas, Numpy, Tensorflow)
❖ Language: Proficient in English, Chinese, French (intermediate)

Work Experience

Nanyang Technological University, Singapore   **Aug 2024 – May 2025**

Research Assistant at MICL Lab

❖ Join under the URECA undergraduate research program, aim at develop an innovative visual analytics method through the Web3 and tech frontiers.
❖ Design interactive, scalable interface using React.js toolkit, enhancing adaptability for analysing complex data networks, contributing to the lab's research on advanced data visualization techniques.

Project Work

Real-Time Full Stack Chat Application   **Jan 2025**

https://github.com/SunnyRaymond/NextJS-Chat-App

❖ Built a full stack real-time chat app with **Next.js**, **ReactJS**, **Tailwind CSS**, and **TypeScript**, featuring real-time messaging, group chats, audio/video calls, and mobile-friendly features.
❖ Implemented **Convex** for real-time database updates and deployed on **Vercel**, integrated key features including user authentication via **Clerk**, ensuring a responsive, cross-platform user experience.

The Wild Oasis Hotel Management App   **Sep 2024**

https://github.com/SunnyRaymond/the-wild-oasis

❖ Developed a web app for hotel staff to manage cabins, bookings, and guest information, utilizing **Supabase** for real-time database and **React** with advanced techniques like React Query.
❖ Key features include user authentication, profile management, booking and cabin management, real-time updates, and interactive data visualization, along with a dark mode for a personalized experience.

Auto Course Registration Chrome Plugin   **Feb 2024**

https://github.com/iNTUition-10/ORBITs

❖ Designed a browser plugin to automatically allocate students' preferred course slots, preventing timetable conflicts and improving course selection efficiency for over 1000 NTU students.
❖ Developed using **Google Chrome Plugin APIs** with core processing in JavaScript, and UI components built with HTML, JS, and CSS; implemented webpage injection and automation to streamline the registration process.