NG JING XUE

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EDUCATION

National University of Singapore (NUS)   **Aug 2021 - Present**
Bachelor of Computing (Computer Science)
- Current Year: Year 4
- Current CGPA: 4.66/5.00

TECHNICAL SKILLS

- Programming Languages: JavaScript, Java, SQL, Python, C
- Software Libraries/Frameworks: React, Next.js, Firebase
- Miscellaneous: Git, Tailwind, Vercel

WORK EXPERIENCE

Software Engineer Intern, Nas Company   **Jun 2024 – Aug 2024**
- Implemented core frontend features using Next.js, significantly enhancing user experience for over 1.5 million users.
- Integrated PostHog with Next.js to collect and analyze critical web performance metrics, including network performance and Core Web Vitals, which delivered key insights for improving SEO.
- Optimised page load time by over 50% by diagnosing and resolving page cache misses with Vercel, and reducing bundle size, which significantly enhanced site performance and user satisfaction.

Software Developer Intern, Aastar Trading Pte Ltd   **May 2023 - Nov 2023**
- Streamlined and automated critical business processes, such as generating accounting reports, through the development of the company's business portal using React and C#, which enhanced operational efficiency by over 60% and reduced human error.
- Initiated and led the development of detailed code documentation, including UML and sequence diagrams using PlantUML, to support the integration of future developers into the codebase.

PROJECTS

Photoasis (Personal Project)   **Nov 2023 - Present**
- Developed an online photo gallery platform with Next.js, enabling photographers to upload photos along with automatically-extracted EXIF data.

Odo.t (Personal Project)   **Aug 2022 - Dec 2022**
- Created an online to-do list capable of automatically adding new tasks to the list at pre-set intervals with TypeScript and Firebase.

TA-Assist (Software Engineering module, CS2103T)   **Aug 2022 - Nov 2022**
- Developed a GUI in Java to help Teaching Assistants in NUS keep track of students' grades and work submissions using CLI commands while adhering closely to software engineering principles.
- Created unit and integration tests with JUnit, achieving more than 70% test coverage.

Frenergy (NUS Orbital, CP2106)   **May 2022 - Aug 2022**
- Developed an online forum for NUS students using React and Firebase, facilitating online discussions and group formation.
- Completed the "Apollo 11" Level of Achievement (Advanced level).

ADDITIONAL INFORMATION

- Fluent in English and Mandarin (both spoken and written).