

NG JING XUE

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EDUCATION

National University of Singapore (NUS)

Bachelor of Computing (Honours) in Computer Science

Aug 2021 - Present

- Current Year: Year 4
- Current CGPA: 4.66/5.00

TECHNICAL SKILLS

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

WORK EXPERIENCES

Software Engineer Intern, Nas Company

Jun 2024 – Aug 2024

- Implemented core frontend features using Next.js with support for locale-specific translations, 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 to Backblaze B2 cloud storage 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

- Built an online forum using React and Firebase to facilitate 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)