

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: 4.63/5.00

TECHNICAL SKILLS

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

WORK EXPERIENCE

Software Engineer Intern, Nas Company

Jun 2024 – Aug 2024

- Implemented core frontend features using Next.js with support for locale-specific translations, significantly boosting user engagement and satisfaction for over 1.5 million users
- Integrated PostHog with Next.js to collect and analyse network performance and Core Web Vitals, which delivered key insights for improving search engine optimisation
- 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 experience

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 using PlantUML, improving code maintainability and serving as a model for future documentation

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 camera settings
- Implemented image optimisation techniques, such as caching and on-demand image resizing, to efficiently handle large images exceeding 10MB, resulting in faster page load times

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

- Collaborated with a team of five to develop a graphical user interface with Java to streamline student-management tasks for Teaching Assistants at NUS
- Created unit and integration tests with JUnit, achieving more than 70% test coverage
- Demonstrated strong technical competency and effective teamwork, as evidenced by highly favourable feedback from peers in anonymous evaluations

ADDITIONAL INFORMATION

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