

Nguyen Khoi Nguyen

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

Aug 2022 - May 2026

Bachelor of Computing in Computer Science

- Dean' list in Semester 2, AY 24-25; Semester 1 AY 24-25; Semester 1 AY 22-23
- Completed Artificial Intelligence Track
- Second Major in Mathematics

EXPERIENCE

SEA LIMITED *Frontend Engineer Intern*

May 2025 - Present

- Constructed agentic node in Alpha Intelligence, an agentic development platform, a critical feature of Alpha Intelligence, enhancing usability of platform for thousands of users.
- Liaised with stakeholders to construct Alphamate, Alpha Intelligence built-in assistive builder, using Go, React, Agentic LLM, boosting thousands of users' experience and satisfaction.

TEMUS *AI Engineer Intern*

May 2024 - Aug 2024

- Developed server for Temasek Foundation to scan for applicant companies' scandals, enabling Temasek to conduct thorough background check on thousands of its grant applications.
- Engineered two-agent system to train airport personnel within one week, securing a valuable contract between Temus and RSAF.
- Managed new resume evaluation modules to integrate in-house resume scanner with Greenhouse, benefitting thousands of recruiters on Greenhouse.

DECISION SCIENCE AGENCY *Frontend Engineer Intern*

May 2023 - Aug 2023

- Implemented web and mobile front-end interface integrated into Singlife grow and elevate system using AlpineJS, SCSS, Tailwind, React Typescript and EmotionCSS, enhancing user experience of thousands of users.

NUS SCHOOL OF COMPUTING *Teaching Assistant*

Aug 2023 - Apr 2025

- Guided students in achieving understanding of content in Programming Methodology (CS1101S, CS2030S), Data Structures and Algorithms (CS2040S), Introduction to Artificial Intelligence (CS2109S).
- Constructed game API and game agents as test cases for mini project in CS2109S, contributing a grading component for all students in CS2109S and improving AI engineering skills of hundreds of students.

PROJECTS

- Contributed bug fixes and new features to VSCode, the code editor that many coders are using. Pull requests: <https://github.com/microsoft/vscode/pull/244074> , <https://github.com/microsoft/vscode/pull/240134>
- Coordinated with team to design, develop, and advertise Dokyu, an app for memory keepsake, with better media management and collaborative space, benefitting hundreds of users (CS3216), built with RESTful design, SQL, Docker. App: <https://dokyu.app/>
- Guided juniors in reviewing issues and pull requests to develop WATcher, an application to enable software engineering students to quickly view progress, with Angular, Typescript, and GraphQL. Code base: <https://github.com/CATcher-org/WATcher> .

TECHNICAL SKILLS

- Frontend Engineering | Backend Engineering | Project Management

AWARDS AND SCHOLARSHIP

- Award: Terminal (by Correlation One and Citadel) – Fall 2023 APAC – third place
- Award: Tiktok Hackathon 2023 Finalist
- Award: Top in Software Engineering module (CS2103T)
- Scholarship: NUS ASEAN Undergraduate Merit Scholarship

EXTRA CURRICULAR ACTIVITIES

NUS GAMES DEVELOPMENT GROUP, Vice President, Web Development Head

Aug 2023 - Present

- Liaised with stakeholders to lead web development team to maintain Gamecraft Website, and redesign and renew Games Development Group's website.