Nguyen Khoi Nguyen

Mobile: +65 87390544 | **Email:** nknguyentdn@gmail.com | **Portfolio**: https://nknguyenhc.github.io
Linkedin: https://www.linkedin.com/in/nguyen-khoi-nguyen-6279341a8/ | **Github**: https://github.com/nknguyenhc

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE   Aug 2022 - May 2026
Bachelor of Computing in Computer Science
- Dean' list in Semester 1, AY 22-23
- Second Major in Mathematics

EXPERIENCE

PROGRAMMING METHODOLOGY MODULE (CS1101S) *Teaching Assistant*   Aug 2023 - Nov 2023
- Guided junior computer science students in achieving understanding of content in Programming Methodology (CS1101S), Programming Methodology II (CS2030S), Data Structures and Algorithm (CS2040S).

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.

TEMUS *AI Engineer Intern*
- 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.
- Developed server for Temasek Foundation to scan for applicant companies' scandals, enabling Temasek to conduct thorough background check on every of its grant applications.

PROJECTS

- Developed Xiangqi engine using various techniques from Stockfish, ranking among the members of NUS Xiangqi club. Code base: https://github.com/nknguyenhc/CS3263-project
- Collaborated with team-mates to engineer and fine-tune algorithm to fight in head-to-head tower defence game in Terminal AI Live competition (Fall APAC 2023), clinching overall team third place. Code base: https://github.com/nknguyenhc/Terminal-Lostkids
- Collaborated with team-mates to develop WATcher, an application to monitor software development projects, enabling software engineers to quickly view progress. Code base: https://github.com/CATcher-org/WATcher
- Engineered backend and mobile frontend for PayDay, a mobile application to reduce risks of online payment for a wide range of users for Tiktok Hackathon 2023, short-listed to final. Submission: https://devpost.com/software/payday-digital-wallet
- Coordinated team to create Parody Generator, an app that draws songs from Youtube and replaces video with images from Stable Diffusion, creating fun parodies of popular songs for users with Youtube API, OpenAI, StableDiffusion. Code base https://github.com/nknguyenhc/hacknroll2024

TECHNICAL SKILLS

- Frontend Engineering | Backend Engineering | AI Engineering | DevOps | Scripting

AWARDS AND SCHOLARSHIPS

- Award: Terminal (by Correlation One and Citadel) – Fall 2023 APAC – third place
- Award: Cyber Defense Discovery Camp (Brainhack, CDDC), Finalise in 2023 & 2024
- Award: Tiktok Hackathon 2023 Finalist
- Honour: NUS School of Computing, Dean's List (AY 2022-2023 Semester 1)
- Honour: NUS School of Computing, Top Student in Programming Methodology
- Honour: NUS School of Computing, Top Student in Discrete Structures
- Scholarship: NUS ASEAN Undergraduate Merit Scholarship

EXTRA CURRICULAR ACTIVITIES

NUS GAME DEVELOPMENT GROUP, Workshop Lead   Aug 2022 - Present
- Lead workshops on Godot game development engine for new members in Academic Year 2023-2024, equipping members with game development skills within 4 weeks.
- Collaborated with group members to produce Guardian of the Dreamy World, a platformer game within a less than half a year, available at https://flamboyyy.itch.io/guardian-of-the-dreamy-world .