

Charisma Kausar

Fresh CS Graduate • Available for full-time SWE roles starting August 2024

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EDUCATION

National University of Singapore (NUS)

Graduated: May 2024

Bachelor of Computing in Computer Science (Honours)

- Specializing in Software Engineering and Artificial Intelligence; Teaching Assistant (Software Engineering); Distinction
- Related Coursework: Software Engineering, Data Structures, Algorithms, Machine Learning, Interaction Design

SKILLS

- **Languages:** (*proficient*) TypeScript, JavaScript, Swift, Java, Python, SQL, HTML, CSS, (*familiar*) C#, C
- **Frameworks/Tools:** React, Next.js, Tailwind, Supabase, Prisma, Express, Flask, Flutter, Git, Docker, Unix

PROFESSIONAL EXPERIENCE

Quantum Inventions (Smart Transport SME acquired by Continental)

Singapore

Software Engineering Intern

May 2023 – Jul 2023

- Spearheaded software design and development of a scalable plugin framework for company software using micro frontends, enabling clients to integrate custom plugins and reducing customer support workload by 50% for 20 internal developers
- Created and released the Plugins API for 30% faster custom plugin development for use by over 10 clients in Southeast Asia
- Tech stack: React, Redux, TypeScript, Sass, Tailwind, Webpack, Rollup, GitHub Actions

Makino Asia (Machine Manufacturing MNC)

Singapore

Software Engineering Intern

May 2022 – Aug 2022

- Developed a customizable web dashboard for analysing and comparing machinery performance with real-time or historical IoT data, eliminating manual data processing for machine operator clients and enhancing overall productivity by 40%
- Tech stack: JavaScript, C#, HTML, CSS

Vibefam (Fitness Studio SaaS Start-up)

Singapore

Freelance Software Engineer

Oct 2021 – Dec 2021

- Revamped the event scheduling function by implementing 2x faster and scalable queries on the cloud, and by creating a responsive calendar frontend for usage by 100+ fitness studios, contributing to a 20% increase in client acquisition
- Tech stack: Vue.js, JavaScript, Firebase Cloud Functions, Jest, Git

PROJECTS

(Find out more at: <https://ckcherry23.github.io/>)

Artisan: AI Webpage Generator for Marketing and Portfolio Sites | www.artisan.land

- Led a team of 4 to create a site generator with design customization and code exports to speed up UI development by 10x
- Achieved Best Project Award for 23rd STePS (CS3216) and NUS SoC Innovation Prize, acquiring over 1000 users in 3 months
- Tech stack: Next.js, React, TypeScript, Tailwind CSS, Supabase, Prisma, tRPC, OpenAI API

RepoSense: Open-Source Code Contributions Analyser | github.com/reposense/RepoSense

- (2024) Mentored a team of 4 junior devs in releasing v3 of RepoSense with code portfolios support and better customization
- (2023) Improved code authorship analysis to help teachers analyse individual work in group projects for 800+ students yearly
- Tech stack: Vue.js, TypeScript, Pug, Sass, Java, Cypress, Git, GitHub

PulsePace: Online Multiplayer Rhythm Game for iPad | github.com/PulsePace/PulsePace

- Created a real-time multiplayer rhythm game in 6 weeks: built input system, event queues, and networking layer
- Tech stack: Swift, Firebase Realtime DB, iOS

LEADERSHIP ACTIVITIES

Frontend Lead | Google Developer Student Club NUS

Aug 2023 – May 2024

- Directed a team of 9 to develop a web app for a sustainability NGO with 50K volunteers, cutting management time by 90%
- Tech stack: Next.js, TypeScript, Prisma, Tailwind CSS, Nest.js

Vice Director, Project Management | StartIT – Tech Entrepreneurship Club

May 2022 – Apr 2023

- Organised impactful start-up workshops and hackathons weekly for 80+ club members, fostering action-oriented learning

ACHIEVEMENTS

- **Generation Google Scholar 2022:** (for Women in Computer Science) One of 55 scholars from 14000+ applicants to receive a US\$2500 scholarship based on commitment to diversity, innovation, and academics