Charisma Kausar

Year 4 CS Student • Available for full-time SWE roles starting May 2024

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EDUCATION

National University of Singapore (NUS)   Expected Graduation Date: May 2024
Bachelor of Computing in Computer Science (Honours), Distinction
- Specializing in Software Engineering and Artificial Intelligence; Teaching Assistant (Software Engineering)
- 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, PostgreSQL, NoSQL, Prisma, tRPC, Flutter, Tailwind, Git, Unix

PROFESSIONAL EXPERIENCE

Quantum Inventions   Singapore
Software Engineering Intern   May 2023 – Jul 2023
- Spearheaded software design and development of a scalable plugin framework using micro frontend architecture, enabling clients to integrate custom plugins in company software and reducing customer support workload for 20 internal developers
- Created and released 2 code packages for accelerated custom plugin development for use by 10+ clients in Southeast Asia
- Tech stack: React, Redux, TypeScript, Sass, Tailwind, Webpack, Rollup, GitHub Actions

Makino Asia Pte Ltd   Singapore
Software Engineering Intern   May 2022 – Aug 2022
- Developed a customizable web dashboard for analysing and comparing machinery performance with graphs in real-time or on historical data instead of machine operators spending 4+ hours on manual IoT data processing
- Tech stack: JavaScript, C#, HTML, CSS

Vibefam (Fitness Studio SaaS)   Singapore
Freelance Software Engineer   Oct 2021 – Dec 2021
- Revamped the calendar scheduling function by implementing 2x faster and scalable queries on the cloud backend, and by creating a responsive calendar UI on the frontend for usage by 100+ fitness studios
- 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 dev by 10x
- Achieved Best Project Award for NUS Computing STePS (CS3216); Acquired over 1000 users in 3 months
- Tech stack: Next.js, React, TypeScript, Tailwind, Supabase, Prisma, tRPC, OpenAI API

RepoSense: Open-Source Code Contributions Analyser | github.com/reposense/RepoSense
- Implemented colour-coding authors in code and improved Git commit analysis, helping teaching staff to analyse individual efforts separately in group coding projects for 1000+ students every year
- Tech stack: Vue.js, TypeScript, Pug, Sass, Git, Java, Cypress

PulsePace: Online Multiplayer Rhythm Game for iPad | github.com/PulsePace/PulsePace
- Created a rhythm game with real-time multiplayer: built input system, event queues, networking within 6 weeks
- Tech stack: Swift, Firebase Realtime DB, iOS

LEADERSHIP ACTIVITIES

Frontend Lead | Google Developer Student Club NUS   Aug 2023 – Present
- Coordinated a team of 9 to automate volunteer management tasks for a sustainability NGO with 25000 volunteers
- Tech stack: Next.js, TypeScript, Prisma, Tailwind, Nest.js

Vice Director, Project Management | StartIT – Tech Entrepreneurship Club   May 2022 – Apr 2023
- Organised impactful start-up workshops and hackathons 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