

Charisma Kausar

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

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE (NUS)

Singapore

Bachelor of Computing, Computer Science (Honours)

Aug 2020 – May 2024

- GPA 4.3/5.0; Specializing in Software Engineering and Artificial Intelligence; Minor in Entrepreneurship;
- Teaching Assistant for Software Engineering; Orbital Advisor;
- Related Coursework: CS2103T Software Engineering (A+), CS3244 Machine Learning (A), CS3240 Interaction Design (A+), CS3281 Open-Source Project (A+), CS3217 Software Engineering on Modern App Platforms (A)

PROFESSIONAL EXPERIENCE

QUANTUM INVENTIONS

Singapore

Software Engineering Intern

May 2023 – Present

- Spearheading the software design and implementation of a plugin framework that allows 3rd party developers to upload and display custom UI plugins within the web portal for commercial vehicles management
- Tech stack: React, Redux, JavaScript, CSS, webpack

MAKINO ASIA PTE LTD

Singapore

Software Engineering Intern

May 2022 – Aug 2022

- Single-handedly developed a customizable web dashboard for analysing machinery performance, which helped improve its performance effectively instead of spending days on IoT data processing and visualization
- Tech stack: JavaScript, C#, HTML, CSS

PROJECTS

(Find out more on my personal website: <https://ckcherry23.github.io/>)

PulsePace: Online Multiplayer Rhythm Game

- Built a rhythm game with a custom game engine and real-time online interaction having 4 unique game modes
- Tech stack: Swift, Firebase Realtime DB, iOS

FoodStack: Group Food-ordering Mobile App

- Top 10% of cohort for robust software practices, featured by NUS Computing (6 of 406 projects selected)
- Co-developed a full-stack e-commerce app for splitting delivery fees payment with any nearby customers
- Tech stack: Flutter, Cloud Firestore, Firebase Cloud Functions

Twemoji: Twitter Emoji Prediction with ML

- Applied Natural Language Processing (NLP) to predict emoji reactions based on Tweets using tree-based models

Walley: AR Payments App Design

- Conducted user research, ideated and created a Figma prototype of an ordering + payments app for smart glasses

SKILLS

- **Languages:** (*proficient*): Java, JavaScript, Swift, HTML, CSS (*familiar*): Python, C#, C/C++, SQL
- **Frameworks/Tools:** Flutter, React, Vue.js, Node.js, Firebase, Git, Unix, Figma, Jupyter, Colab

LEADERSHIP ACTIVITIES

Deputy Director of Project Management @ StartIT – Tech Entrepreneurship Club

Aug 2021 – Apr 2023

- Initiated and executed the StartTank program to guide 12 teams in building their first technology start-up
- Led 2 teams of 20 students to organise biweekly tech workshops, hackathons, and networking events to promote personal vision for the club – Taking actions towards goals

ACHIEVEMENTS

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