CLARENCE CHOO JIA YI

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EDUCATION

National University of Singapore   **Aug 2025 - May 2029**
- Bachelor of Computing (comp) in Computer Science

- Relevant Coursework: CS1101S Programming Methodology (A-) , CS1231S Discrete Structures (A-), MA1521 Calculus for Computing (A+)

Anderson Serangoon Junior College   **Jan 2021 - Dec 2022**
- GCE A' Levels (Rank Points: 86.25)

- Subjects: Physics, Chemistry, Mathematics, Economics
- Awards: Edusave Certificate of Achievement (2021, 2022); Digital Silver Medal, International STEM Olympiad – Mathematics (2022)
- Activities: National School Games (A Division) Tennis – School Team (2022)

WORK EXPERIENCE

Alliance Healthcare Group Limited, Part-Time Software Engineer   **Jan 2025 - Jul 2025**

- Built a C#/.NET claims-processing pipeline using OCR + Azure Document Intelligence to extract structured fields from medical documents, cutting manual review time by an estimated 70%
- Improved extraction quality by debugging parsers + adding validation rules, raising end-to-end document processing accuracy to 90%.
- Developed an Excel automation tool (C# + EPPlus) to consolidate finance reports into standardised templates, reducing monthly processing time by 90%
- Designed and ran JMeter load tests on an HPB web portal (up to 2,000 concurrent users), identifying performance bottlenecks and reporting actionable findings to the dev team

PROJECTS

NUS GPA Tracker | nus-gpa-tracker.vercel.app   **Dec 2025 - Present**

- Built a local-first GPA/CAP tracker and module planner in TypeScript (React + Vite) with NUSMods share-link import and S/U impact simulation, deployed on Vercel
- Reached 200 users in 3 days by launching on Reddit and iterating based on early feedback

BiteSwipe Web App | bite-swipe2-0-frontend.vercel.app   **Jul 2025 - Present**

- Built a real-time group voting app for restaurant selection (party code join + swipe UI + live leaderboard) using React + Vite and Firebase Realtime Database
- Integrated Google Maps/Places API to fetch nearby restaurants with photos, price level, and cuisines for location-based discovery
- Deployed on Vercel with a mobile-first UI and real-time state sync across clients during voting sessions

Bill Splitter Web App | clarencechoo.github.io/Bill-Splitter   **Sep 2023 - Dec 2023**

- Built a responsive bill-splitting web app (HTML/CSS/JS) that allocates costs by individual consumption and supports configurable tax percentage

TECHNICAL SKILLS

- Languages: C#, TypeScript, JavaScript, Java, HTML, CSS
- Frameworks & Libraries: React, Vite
- Cloud & Platforms: Firebase (Realtime Database), Azure AI / Document Intelligence, Vercel
- Developer Tools: Git, GitHub, EPPlus, BlazeMeter, JMeter
- Soft Skills: Adaptability, teamwork, mentorship, bilingual (English & Chinese)

VOLUNTEERING EXPERIENCE

Ministry of Social and Family Development, Education Volunteer **Jun 2024 - Jun 2025**

- Mentored underprivileged primary school students at a weekly homework cafe, helping them build study habits and confidence in mathematics