

CLARENCE CHOO JIA YI

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WORK EXPERIENCE

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

- Built C# automation workflows leveraging OCR and Azure AI to extract medical claim data, improving assessment efficiency and reducing manual effort
- Debugged and fine-tuned automation workflows, increasing document processing accuracy to 90%
- Created an Excel-based automation software leveraging C# and EPPlus to consolidate and analyse finance and claims reports, standardising templates and cutting manual processing time by 90% per monthly reporting cycle
- Designed and executed load tests with JMeter on Health Promotion Board (HPB) web portal prior to launch, validating scalability of over 2000 concurrent users and helping surface performance bottlenecks for the dev team to fix

EDUCATION

National University of Singapore Aug 2025 - May 2029

- Bachelor of Computing (B.Comp) in Computer Science

- Relevant Coursework: CS1101S Programming Methodology, CS1231S Discrete Structures, MA1521 Calculus for Computing

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)

Edgefield Secondary School Jan 2017 - Dec 2020

- GCE O' Levels (L1R5: 11, Raw)

- Awards: Edusave Scholarship (2020); Edusave Certificate of Achievement (2019); Good Progress Award (2017)
- 3rd Place Team, Singapore Amazing Flying Machine Competition (SAFMC) 2019
- CCA: Singapore Youth Flying Club (SYFC) – Represented school in inter-school events

PROJECTS

BiteSwipe Web App | Demo: <https://bite-swipe2-0-frontend.vercel.app> Jul 2025 - Present

- Built a Tinder-style group voting app that helps groups decide where to eat through real-time, gamified restaurant selection
- Implemented Google Maps API integration to fetch restaurant options with rich metadata (location, price, cuisines, photos)
- Developed an interactive, mobile-friendly swipe UI with React + Vite and a real-time voting system using Firebase Realtime Database
- Deployed on Vercel and explored monetisation (restaurant “priority pick” placements) and basic growth loops for scaling

Bill Splitter Web App | Demo: <https://clarencechoo.github.io/Bill-Splitter> Sep 2023 – Dec 2023

- Developed a responsive web application using HTML, CSS, and JavaScript to fairly split expenses based on individual consumption
- Integrated a tax percentage feature, enhancing user convenience

TECHNICAL SKILLS

- Languages: C#, JavaScript, Java, HTML, CSS
- Frameworks & Libraries: React, Vite
- Cloud & Platforms: Firebase (Realtime Database), Azure AI, Azure 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