

Zi Shen Chan

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SUMMARY

Software Engineering part-time/full-time internship seeker with strong foundation in programming skills. Embrace continuous learning. **Availability:** (full time) 01 June – 15 Aug 2025. (part-time) 15 Aug onwards

EDUCATION

Nanyang Technological University

Expected in Aug 2026

Bachelor's in mathematical and computer science

- CGPA 4.49

RECENT PROJECTS (Live URL in GitHub)

Personal Portfolio AI Assistant

Jan 2025 – Recent

- Portfolio chatbot for answering questions regarding my personal portfolio.
- Fine-tuned to answer relevant answers with prompt engineering and system prompt.
- Conversation awareness is achieved with context window.

Automation Manager

Jan 2025 – Recent

- Developed a TCP-based client-server system to receive test instructions remotely and automate Android device testing, focusing on 5G signal strength, validation, stability, throughput, and performance.
- Built a robust server application to handle incoming TCP connections, parse task data, and trigger device-side scripts accordingly.
- Technologies used: Python, TCP sockets, Android Debug Bridge (ADB), Bash scripting, Linux, multithreading, Consul.

XCuisine Fullstack E-Commerce Website

Aug 2024 – Dec 2024

- Fully working ecommerce website with playful animation (framer-motion), Authentication (Auth0) and payment handling (Stripe).
- Built with React and .NET SDK. Dockerized for containerized deployment and scalability. Deployed at Vercel (frontend) and Azure Container App (backend).
- Inspired by previous challenge project XCuisine website with vanilla html, css and Js.

Hologram Chatbot

May 2024 – July 2024

- Interactive AI chatbot with animations and lip-syncing features answering question regarding Gaia building in NTU, supporting audio and text inputs.
- Full stack webpage built with React frameworks for user interface and Microsoft Azure services for data training.

SCCC - Interactive Articulatory Accent Database

Apr 2024 – Jun 2024

- Accent chart providing spontaneous speech excerpt for speakers of Singapore Mandarin
- Frameworks: Bun, React, NextJs, Docker, Postgres SQL and others.

LANGUAGES

English Mandarin Cantonese Hokkien

SKILLS & INTERESTS & CO-CURRICULAR ACTIVITIES

- **Skills:** Python, React, .NET, gRPC, RESTful APIs, Microsoft Azure, Docker, Postgres SQL, DevOps, Firebase, Git, OOP, Data Structures, Algorithms, Google Console, Power BI, Excel, Word, PowerPoint.
- **Soft Skills:** Continuous learning, Team working, Time management, Communication/collaboration, Problem-solving, Attention to details, Independent working
- **Interests:** iOS Shortcuts, Musical instruments, Hiking, International chests
- **Co-curricular activities:** Rotaract Club (2020-present), National Cashflow Competition (2023)