Zi Shen Chan

zishenchan@gmail.com ❖ +65 8790 3640 ❖ Singapore 636866 ❖ [GitHub](https://github.com/ZSHenChan) [LinkedIn](https://www.linkedin.com/in/zi-shen-chan/)

GitHub: https://github.com/ZSHenChan
LinkedIn: https://www.linkedin.com/in/zi-shen-chan/

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

EXPERIENCES & PROJECTS (Repo in GitHub)

Personal Portfolio AI Assistant   **Jan 2025 – Recent**

- Portfolio chatbot that can assist more than **50** visitors at once in my personal portfolio website.
- Using RAG system to retrieve and provide relevant answers for at least **3,000** question types.
- Advanced features such as email sending, navigation and API request sending is supported via function calling.

Automation Manager   **Jan 2025 – Recent**

- Developed a TCP-based client-server system to automate android device testing that handles more than **5,000** test cases overnight.
- Technologies used: .NET, TCP sockets, Android Debug Bridge (ADB), Bash scripting, Linux, multithreading, Consul.

XCuisite Fullstack E-Commerce Website   **Aug 2024 –Dec 2024**

- Fully working ecommerce website with designed to handle more than **150** visitors at once.
- Built with React and ASP.NET Core. Dockerized for containerized deployment and scalability. Deployed at Vercel (frontend) and Azure Container App (backend).
- Inspired by previous challenge project XCuisite website with vanilla html, CSS, and JS.

Hologram Chatbot   **May 2024 – July 2024**

- Interactive AI chatbot with animations and lip-syncing features designed to assist more than **350** visitors in Gaia building, supporting audio and text inputs.
- Full stack webpage built with React frameworks for user interface and access to Microsoft Azure services for data training.

SCCC - Interactive Articulatory Accent Database   **Apr 2024 – Jun 2024**

- Speech Excerpt database handling more than **100GB** of audio files.
- Core Frameworks: Bun, NextJS, Docker, Postgres SQL.

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)