

# Zi Shen Chan

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GitHub: <https://github.com/ZSHenChan>

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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**

- Application for automated 5G signal testing on android devices.
- Powered by .NET gRPC and Consul for handling microservices, signal handling with TCP/IP.

**XCuisine Fullstack 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).
- Migrated from previous challenge project XCuisine website with pure 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: Mantine, Bun, React, NextJs, Docker and others.

## LANGUAGES

English      Mandarin      Cantonese      Hokkien

## SKILLS & INTERESTS & CO-CURRICULAR ACTIVITIES

- **Skills:** Python, React, .NET, gRPC, RESTful APIs, Microsoft Azure, Docker, Postgres SQL, 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)