

# CHEN GUANHUA

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## EDUCATION

### National University of Singapore

Aug 2024 - Present

Bachelor of Computing in Computer Science (Honours)

- GPA : 5.0/5.0

### Harbin No.9 Middle School

Aug 2021 - Aug 2024

- Top 0.1% (Nationwide Unified Examination for Admissions to General Universities and Colleges).

## SKILLS

- Language : Fluent in English and Chinese Mandarin(Both spoken and written).
- Programming Languages : JavaScript, Java, HTML, CSS(Tailwind CSS), C, Lua.
- Frameworks: React (Vite, Next.js), Spring Boot.
- Tools: Git, Docker, Docker Compose, PostgreSQL, Maven.
- Data Processing : Matlab, Radiant, Excel.

## PROJECTS

### CourseCompass – Web App for NUS Course Planning, *Full-stack Developer*

May 2025

- Built a full-stack course planning platform for NUS students using React (Vite), TypeScript, Tailwind CSS, Shadcn/UI, Spring Boot, and PostgreSQL.
- Developed a responsive, dynamic UI with modular React components and consistent design via Tailwind CSS + Shadcn/UI.
- Designed and implemented a stateless Spring Boot backend with RESTful APIs, optimised PostgreSQL schema, and secure Google OAuth 2.0 authentication.
- Integrated automated unit testing (Vitest) and end-to-end testing (Playwright) to ensure reliability across deployments.
- Set up a CI/CD pipeline with GitHub Actions and Render, automating build, test, and Docker-based deployment workflows.
- Followed Git feature branching and PR review processes to simulate production-grade team collaboration.

## AWARDS & CERTIFICATES

- Dean's list award in AY2024/2025 Semester 1.
- Dean's list award in AY2024/2025 Semester 2.
- Link to credentials: <https://credentials.nus.edu.sg/profile/chenguanhua174370/wallet>