

# CHUA SHI HONG

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## EDUCATION

### National University of Singapore

Aug 2020 - Present

#### Bachelor of Computing in Computer Science

- Networking and Distributed Systems Focus Area (Merit), Artificial Intelligence Focus Area (Merit)
- Expected Date of Graduation: May 2024
- Current GPA: 4.17 / 5.00
- Courses completed: Database system, Big Data, Software Engineer Practice, OOP, Data Structure & Algorithm, Networking, Artificial Intelligence, Computer Vision, Computer Graphics

## SKILLSET & ADDITIONAL INFORMATION

- Programming Language: Java, Python, C++
- Database: PostgreSQL, MySQL
- Web development: HTML, CSS, JavaScript
- Frameworks: .Net C#, Alpine JS, Tailwind CSS
- Fluent in both English and Chinese, Intermediate level in Malay language

## TECH WORK EXPERIENCE

### Software Developer (Frontend), The Software Practice (TSP), Singapore

May 2022 - Oct 2022

- Enrolled in early development stage of a Government Agency Intranet Case Management System along with senior developers
- Initialized frontend UI for system using .Net C#, Tailwind CSS, Tabulator and Alpine JS frameworks
- Improved UI responsiveness by applying design concepts
- Elevated overall quality of project in weekly deployment cycles by incorporating feedback from code testers
- Created, tested, debugged, and refactored over 3000 lines of code

## TECH PROJECTS

### Frontend Developer, Dental Software, Malaysia

May 2023 - Aug 2023

- Utilized React, TailwindCSS and Firebase tools to develop dental software to manage patient records, provide efficient and personalized care
- Gathered feedback from professionals, and took initiative to implement a more user-friendly and customized features for clients
- Leveraged Tailwind CSS for creating a responsive and visually appealing UI
- Crafted and executed intuitive navigation for seamless user experience
- Collaborated closely with backend team to ensure smooth integration and reliable performance

### Software Developer, Static Program Analyzer, Singapore

Jan 2024 - Present

- Utilized GitHub and Jira for version control, project management, and task tracking.
- Provided technical guidance, conducted code reviews, and refactored codebase for high-quality output.
- Operated within a biweekly sprint, actively contributing to requirement definition and progress monitoring.
- Employed PlantUML diagrams for visualizing architecture and design patterns, enhancing team collaboration.
- Applied software design patterns to improve SPA's robustness, maintainability, and scalability.

## TEACHING EXPERIENCE

### Teaching Tutor, CS2102 Database System, Singapore

Aug 2023 - Present

- Responsible for leading two classes of 25 students each in the Introduction to Database system curriculum, including facilitating tutorials and grading assessments
- Supervised the preparation and pre-checked problem sets and project materials, serving as educational resources for 450+ students

## LEADERSHIP EXPERIENCE

### People Cell Director, NUSSU CommIT club, Singapore

May 2023 - Present

- Led biweekly internal welfare events for club members through effective planning and coordination
- Demonstrated dedication to the wellbeing of club members by addressing needs and concerns
- Implemented various bonding opportunities for club members to foster community and support