

**CHEW YI XIN**

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**EDUCATION****SINGAPORE MANAGEMENT UNIVERSITY****Bachelor of Science, Information Systems, IS Major****GPA:** 3.92/4.0 (Summa Cum Laude, with Highest Distinction)**Aug 2020 – Aug 2024**

(expected)

**EXPERIENCE****Government Technology Agency (GOVTECH)****May 2022 – Aug 2022****Software Engineering Intern**

- **Division:** Government Digital Services (GDS) - Engineering Productivity (ENP)
- Worked on Documentation Portal (docs.developer.tech.gov.sg) by enhancing SEO through code, fixing bugs, and end-to-end tracing.
  - Worked with external libraries (Docsify) to enhance SEO through code, by revamping the Documentation Portal and patching the library to fit our use-case and be backwards compatible, allowing Googlebot to index and crawl (~1200% increase) links on the site.
  - Researched on, and worked with OpenTelemetry and Elastic to help with implementing end-to-end tracing and logging.
- **Stack:** Express JS · Vue JS · Handlebars.js · Typescript · Jest (Testing) · OpenTelemetry (Tracing) · Elastic · AWS · Docker

**Quest-Inc****Aug 2021 – Dec 2021****Software Engineering Intern**

- Cross-platform Mobile application development.
- Wrote clean and maintainable code to fix bugs, and implement new features that were released to production
  - Integrated the transaction process into a single page within the chat to smoothen the experience of the users, where previously they had to navigate through the app to two different pages to obtain information.
  - Worked on the front-end by revamping the design and layout of each card on the homepage.
- **Stack:** Flutter · Dart · JavaScript · Firebase

**Singapore Management University****Teaching Assistant**

- IS113 Web Application Development I (HTML, PHP, MySQL)
- COR-IS1702 Computational Thinking (Python, Data Structures & Algorithms)
- COR2100 Economics and Society

**Jan 2022 – Apr 2022****Aug 2021 – Nov 2021****Jan 2021 – Apr 2021****SKILLS & INTERESTS**

- **Programming languages:** Java · Python · Dart · PHP · HTML · CSS · JavaScript · TypeScript · MySQL · Firebase
- **Frameworks:** Spring Boot · Flask · Flutter · Bootstrap · Tailwind CSS · Vue JS · React JS · Express JS
- **Tools:** Git · Docker · Figma · Selenium · AWS · Jest
- **Language:** Effectively bilingual in English and Mandarin

**CO-CURRICULAR ACTIVITIES****SMU .Hack****Oct 2020 – Present**

- Participated in student-led workshops to gain exposure and build up proficiency in tech-related fields.
- Built simple projects from scratch such as programming a Telegram Bot, or building a personal website (GitHub).

**SMU Judo****Aug 2020 – Present**

- Attend trainings regularly to represent the school for competitions.

**ACADEMIC ACHIEVEMENTS****Achievements and Relevant Coursework**

- Hackwagon, DS102 (Data Analytics with Python), Distinction
- Performance for relevant modules:

<u>Module</u>	<u>Skills</u>	<u>Grade</u>
➤ IS 110 Information Systems & Innovation	Business Case Analysis	A+
➤ IS 111 Introduction to Programming	Python	A+
➤ COR-IS1702 Computational Thinking	Data Structures and Algorithms	A+
➤ IS 112 Data Management	Data Modelling, MySQL	A-
➤ IS 113 Web Application Development I	HTML, PHP, MySQL	A+
➤ IS 210 Business Process Analysis & Solutioning	Business Modelling	A
➤ IS 211 Interaction Design and Prototyping	Wireframing, Figma	A-
➤ IS 216 Web Application Development II	Vue.JS, CSS, Firebase, Bootstrap	A
➤ IS217 Analytics Foundation	Python analytics libraries	A
➤ CS421 Introduction to Machine Learning	Scikit learn, Python libraries	B+

➤ IS213 Enterprise Solution Development	Flask, Kong, RabbitMQ, Docker	A
➤ IS214 Enterprise Solution Management	Jira Service Management	B+
➤ IS 215 Digital Business	Digital Transformation	A
➤ COR1305 Spreadsheet Modelling and Analytics	Microsoft Excel	A+