

**CHEW YI XIN**

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**EDUCATION****SINGAPORE MANAGEMENT UNIVERSITY****Aug 2020 – Dec 2023**

Bachelor of Science, Information Systems, IS Major

GPA: 3.8/4.0 (Summa Cum Laude, with Highest Distinction)

**EXPERIENCE****JPMorgan Chase & Co.**

Analyst, Software Engineer Program (SEP)

**Mar 2024 – Present**

- Incoming Software Engineer Analyst in JPMorgan Chase & Co.

**Stack:****JPMorgan Chase & Co.****May 2023 – Aug 2023**

Summer Analyst, Software Engineer Program (SEP)

- **Line of Business, Team:** Corporate & Investment Banking, Markets Technology
- Built a functioning full-stack solution for the front-office business users and operations team, allowing them to monitor, and therefore mitigate risk exposure of high net-worth clients proactively. Solution is currently patent pending.
- Reduced the complexity of viewing data from legacy backend, decoupling the dependency of the business users on the technology team.
- Presented solution to business users and senior management to collect feedback and customer validation.
- Built another proof-of-concept solution for the Trade Surveillance team as part of an intern-curriculum project, which allows users (compliance and engineers) to test changes in a sandbox environment.

**Stack:** React JS · Redux JS · Java · Spring Boot · AWS Nessie · AG Grid Enterprise · AG Charts**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, allowing Googlebot to index and crawl (~1200% increase) links on the site.
  - Solution is backwards compatible and can be disabled as a feature flag.
  - Researched on and worked with OpenTelemetry (OTEL) and Elastic to help with implementing end-to-end tracing and logging.

**Stack:** Express JS · Vue JS · Handlebars.js · Typescript · Jest · 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

**Jan 2021 – Apr 2023**

- IS443 Object Oriented Programming · IS215 Digital Business Technology and Transformation · IS113 Web Application Development I · COR-IS1702 Computational Thinking · COR2100 Economics and Society

**Stack:** Java · Object Oriented Programming · Spring Boot · Business Case Analysis · PHP · HTML · CSS · Data Structures & Algorithms**CAPABILITIES****Programming**

Java · Python · Dart · PHP · HTML · CSS · JavaScript · TypeScript · MySQL · Firebase

**Frameworks**

Spring Boot · Flask · Flutter · Bootstrap · Tailwind CSS · Vue JS · React JS · Express JS · Node JS · Next JS

**Tools**

Git · Docker · Figma · Selenium · AWS · Jest · Redux JS

**Language**

Effectively bilingual in English and Mandarin