

WU XIAOYUN

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EDUCATION

National University of Singapore (NUS)

Aug 2020 – Jan 2024

Bachelor of Computing (Honours) in Computer Science (CAP 4.64/5)

- Aug 2022 – Dec 2022: Introduction to Database Systems Teaching Assistant (Basics of SQL)
- Certificate of Distinction in Database Systems Focus Area

TECHNICAL SKILLS

Java, Python, JavaScript, ReactJS, Next.js, Tailwind CSS, PostgreSQL, MongoDB

WORK EXPERIENCE

Goldman Sachs

Mar 2024 – Present

Analyst - Software Engineer (Futures Technology)

- Migrated the exchange account update process from Perl scripts to a Java-based solution, automating data synchronization workflows by reducing manual account maintenance as well as improving data security.
- Implemented a new drop copy flow that subscribes to exchanges' broadcasts to receive copies of orders-related messages and trade reports for options trade monitoring and reconciliation.
- Developed new features to enhance trading workflows, e.g. automating daily margin usage reports for clients.

PayPal

Aug 2023 – Dec 2023

Software Engineer Intern

- Added and tested new frontend features e.g. generation of reports for Escheatment processes with Next.js.
- Refactored manual mappers for mapping between different object models to use Java MapStruct to simplify the implementation and improve code maintainability.

Goldman Sachs

May 2023 – Jul 2023

Summer Analyst - Software Engineer (Margin Technology)

- Redesigning a dashboard which compiles the Jira issues and GitLab changes for different products and services to facilitate the release coordinators and regional managers in tracking monthly production releases.
- Improved the accuracy of the displayed Jira issues by approximately 40%.
- Migrated the project from Node 14 to Node 18 with React 18, Next.js 13 and Tailwind CSS.

Bank of America Merrill Lynch

Jan 2023 – May 2023

Global Technology Analyst

- Worked within the Global Markets Operations Technology department to develop a data extraction tool to facilitate Transaction Operations staff in processing and analysing trade data and reports.
- Created frontend components using Angular framework and added backend features, e.g. new operator for data query with Python and Elasticsearch APIs.

PROJECTS & HACKATHONS

GIC Code to Impact 2023 Winner Team

Sep 2023

- Contributed to the design and implementation of a dashboard web application for portfolio managers to monitor the profits and losses of their investments. The dashboard also allows users to gain insights seamlessly with our context-based AI chatbot and news feed.

JP Morgan Code for Good 2022 Winner Team (Singapore)

Oct 2022

- Co-developed a web application that integrates Mozilla Hub to provide a gamified platform for the targeted audience of the partnering charity organisation, Inspiring Girls, to learn and explore different career paths.
- Designed the user interface and implemented the frontend with ReactJS, CSS and Material UI.

Huawei Cloud Spark Hackathon 2022 Top 10 Finalist [\[Source Code\]](#)

Dec 2021 – Apr 2022

- Co-developed a mobile application that uses AI to generate personalised itineraries for users and allow users to hire tour guides flexibly based on their availability and preferences.

- Designed the user interface and implemented the frontend with React Native and CSS.
- Processed data generated from our machine learning algorithm with Huawei Cloud.