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)
- AY22/23 Semester 1: Top Student for Big Data Systems for Data Science (Basics of Hadoop/Spark)
- Certificate of Distinction in Database Systems Focus Area

TECHNICAL SKILLS

Java, Python, JavaScript, ReactJS, Next.js, Tailwind CSS, PostgreSQL, MongoDB, Huawei Certified ICT Associate

WORK EXPERIENCE

Goldman Sachs   **Mar 2024 - Present**
Analyst - Software Engineer
- Worked under the Futures Technology team to implement new features to improve the trading flow of our users, e.g. calculating and displaying users' position occupied margin for futures and options as part of pre-trade risk controls.

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 so as to simplify the implementation and improve code maintainability.

Goldman Sachs   **May 2023 – Jul 2023**
Summer Analyst - Software Engineer
- Redesigned a dashboard which compiles the Jira issues and GitLab changes for different products and services under Margin, Collateral and Valuation Technology team (Global Banking and Markets) 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 together 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.

Learna Systems Pte. Ltd   **Jan 2022 – Jan 2023**
Full Stack Developer Intern
- Designed and implemented new user interfaces that improve user satisfaction for the mobile application aimed at serving and connecting educators, parents, students and life-long learners.
- Translated client requirements into technical design specifications and engineered new features.
- Worked in an agile SCRUM team to build reusable components for greater consistency, scalability and code maintainability with ReactJS and CSS and write REST backend APIs with PHP.

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.