

# WU XIAO YUN

Contact No. +65 8941 5722  
Email [xiaoyun.wu00@gmail.com](mailto:xiaoyun.wu00@gmail.com)  
GitHub [github.com/Xiaoyunnn](https://github.com/Xiaoyunnn)  
LinkedIn [linkedin.com/in/wu-xiaoyun/](https://linkedin.com/in/wu-xiaoyun/)

## EDUCATION

**National University of Singapore (NUS)** **Aug 2020 – Dec 2023 (Expected)**

Bachelor of Computing (Honours) in Computer Science

- Aug 2022 – Dec 2022: CS2100 Computer Organisation Lab Teaching Assistant
- Aug 2022 – Dec 2022: CS2102 Introduction to Database Systems Teaching Assistant
- AY22/23 Semester 1: Top Student for CS4225/CS5425 Big Data Systems for Data Science

## TECHNICAL SKILLS

**Programming Languages:** Java, JavaScript/HTML/CSS, Python, C/C++

**Frameworks:** ReactJS, React Native, Node.js

**Databases:** MongoDB, PostgreSQL

**Certification:** Huawei Certified ICT Associate (HCIA)

## WORK EXPERIENCE

**Goldman Sachs** **May 2023 – Jul 2023**

Global Banking and Markets – Summer Analyst (Software Engineer)

- Enhanced a dashboard which compiles the Jira issues and Gitlab changes for different products and services under Margin Technology to facilitate the release coordinates and regional managers in tracking monthly production releases' progress.
- Upgraded the dashboard from React 16 to React 18 together with Next.js 13, Tailwind CSS and Node.js.

**Bank of America Merrill Lynch** **Jan 2023 – May 2023**

Global Technology Analyst – Industrial Attachment (Software Engineer)

- 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**

Mobile 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

**JP Morgan Code for Good 2022 Winner Team** **7 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.

#### **NUS Software Engineering Team Project** [[Source Code](#)]

**Sep 2021 - Nov 2021**

- Transformed the brown-field Object-Oriented Programming (OOP) project of an address book into a tuition management desktop application using Java, JavaFX and CSS.
- Added features including lesson reminders and tagging of students.
- Designed and implemented the GUI for better user experience and enhanced user productivity.
- Wrote clear and concise user guide to aid the intended audience in making better use of our app.
- Contributed to developer guide for ease of understanding of future developers.

#### **NUS Orbital Project** [[Website](#) | [Source Code](#)]

**May 2021 - Aug 2021**

- Designed and developed the user interface of a brand-new fully functional web application using ReactJS and CSS, that aims to increase users' productivity and reduce procrastination.
- Built responsive page that work across various modern browsers and devices.
- Developed the backend for approximately half of the features of the application, including user authentication and creating, editing and deleting of user posts.

### **CO-CURRICULAR ACTIVITY**

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#### **Chinese Students' Committee, Secretarial Department**

**Aug 2020 - Present**

- In charge of financial reimbursement for logistics and maintaining financial records.
- Facilitated in organising CCA Freshmen Orientation and regular CCA bonding sessions.