SIM RUIBIN

Mobile: 83388705 • Email: sim_ruibin@u.nus.edu • Github: github.com/rocked10
• LinkedIn: linkedin.com/in/ruibin-sim-b11a881b6/

Internship Availability: From 01/07/2023

EDUCATION

National University of Singapore   **Aug 2020 - Present**

- Bachelor of Science (Business Analytics), Honours
- Expected Date of Graduation: May 2024

Relevant Modules
- BT2102 – Data Management and Visualization
- CS2030 – Programming Methodology II (Object-oriented Programming and Functional Programming)
- CS2040 – Data Structures and Algorithms
- CS2105 – Introduction to Computer Networks

Raffles Junior College   **Jan 2016 - Dec 2017**

WORK EXPERIENCES

Bybit, Big Data Engineer Intern   **May 2022 – Present**
- Collaborated with developers to implement the backend system of a metadata application using Spring Boot Framework
- Developed APIs for different modules as per requirements
- Developed and implemented a data lineage system that shows the flow of data between data sources using Nebula Graph
- Designed and developed a data ETL pipeline architecture to extract data lineage metadata from FanRuan FineBI
- Built a data ETL pipeline using Spark to write data from MySQL into Nebula Graph, automated daily using Spring Boot
- Performed unit and integration testing on the Service and Controller layer using Spring Boot Test and Junit to ensure APIs function correctly

SIDE PROJECTS

Orbital (Apollo 11)
- Collaborated with a partner to develop a fitness mobile application with React Native that enables users to log their workout progress, upload workouts for each other, as well as keep track of each other's progress
- Implemented user authentication and database using Firebase
- Performed unit testing using Jest and React Native Testing Library to test whether application snapshots are rendered correctly, and whether functional components were working as intended
- Link to project report:
  https://docs.google.com/document/d/1NG7V4MuyMoPu79OGVTGh3f32QJ7f4nFm/edit

Data Processing Project - Orient Futures International Singapore Pte Ltd

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- Developed programs to automate the extraction and analysis of crucial financial data using Python (pandas), eliminating manual work for the Finance team

TECHNICAL SKILLS

- **Software Engineering Skills:**
  - Programming languages (Java, Python, SQL, JavaScript, R)
  - Version control (Git, GitHub)
  - Databases and data frameworks (MySQL, MyBatis, Nebula Graph, Spark)
  - Backend frameworks (Spring Boot, Firebase, Express)
  - Frontend frameworks (React Native, React.js, Vue.js)

ADDITIONAL INFORMATION

- **Languages:** Fluent in English and Chinese (both spoken and written)
- **Interests:** Olympic Weightlifting, Gaming