Hua Xin Liao

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Education

City University Of Hong Kong   September 2020 – June 2024
Bachelor of Computer Science - Data Science Stream

- *CGPA* : 3.35.
- *Achievements* : Dean's List, 50% Scholarship for International Students.
- *Coursework* : Data Structures,Algorithms, Database Systems, Computer Networks, AI, Machine Learning etc.

Work Experience

V-Systems   June 2022 – August 2023
Front End Developer

- Developed a blockchain-based web application with integrated crypto wallet, staking, and withdrawal services for the Hong Kong and Singapore Fintech Week.
- Leveraged AWS Cognito, Lambda functions, and Amplify to establish a secure and scalable user authentication system.
- Created a highly configurable NFT dashboard, utilizing Next.js, Redux Toolkit, useSWR, Mantine, and TypeScript.
- Provided ongoing maintenance and support for the VueJS-based crypto wallet extension and the React Native-based mobile application, ensuring seamless operation on their respective app stores.

BIT App Limited   April 2023 – May 2023
Full Stack Developer   Part-Time

- Developed mobile app using React Native, Redux Persist, Native Camera, and React Native Animated.
- Implemented CRUD operations using Express.js, MongoDB, and Firebase Authentication to create a secure and scalable backend service with data management, retrieval, and user authentication.
- Utilized Docker to run MongoDB and Node.js images to improve application portability and simplify deployment of back-end services.

Awards & Achievements

Cyberport University Partnership Programme: Worked together with my colleagues to develop a fintech prototype securing a position among the top contenders out of a pool of 40+ teams, allowing me to join an exclusive Entrepreneurship Bootcamp at the University Of Cambridge, acquiring priceless knowledge and skills in devising fintech solutions.

hackUST 2023 | Powered by OKX: Won the OKX Web3.0 Master & JLL Building Management Metaverse App Awards for our innovative Web3.0 mobile application.

CityU Fintech Hackhaton 2023 1st runner up

CityHack 2022 1st runner up

Projects

Inventory Management Microservices

- Designed and implemented a resilient microservices architecture using Spring Boot, integrating Netflix Eureka for service discovery, Spring Cloud Gateway for API management, and Keycloak for secure authentication and authorization.
- Ensured system reliability through the implementation of circuit breakers and facilitated seamless service communication with Kafka for an event-driven architecture.
- Implemented and optimized a scalable microservices ecosystem, leveraging Docker for containerization and deploying Prometheus and Grafana for advanced monitoring and tracing

Hall Admission System

- Implemented abstract classes, interfaces, inheritance and encapsulation to enhance the readability and maintainability of the codebase, adhering to industry best practices and standards
- Adopted a bottom-up approach for unit testing to ensure project functionality and minimize bugs, utilizing JUnit to create automated test cases and improve code quality.

Skills

Skills: Javascript/TypeScript, NodeJS, ReactJS, Java, SpringBoot, ReactNative, Solidity, MySQL, MongoDB, Docker

Languages: Italian (Native), English (Fluent), Mandarin (Intermediate)