

# Linxiao Huang

## Full Stack Developer

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## Education

The Hong Kong Polytechnic University

MSc in **Information Technology**

- GPA 3.33/4.3

Hong Kong

2022/09 - 2023/07

National University of Defence Technology

BEng in **Mechanical Engineering and Automation**

- GPA: 3.6/4.0, ranked in the top 20%

Changsha, China

2016/09 - 2020/07

## Skills

- Proficient in **JavaScript**, with knowledge in **C++**, **Java**, **Python**.
- Skilled in full-stack development using **React.js**, **Next.js**, **TypeScript**, **Node.js**, **React Native**.
- Experience in major **SQL** and **NoSQL** databases, like MySQL, PostgreSQL and MongoDB, etc.
- Comfortable with **Linux** OS, command-line tools, Shell scripting.
- Understand Docker, **CI/CD** principles and usage.
- Handy with **Git**, Github collaboration.
- Familiar with **machine learning** algorithm.
- Aware of **blockchain** and Bitcoin technologies.
- Solid foundation in data structures, algorithms, OS, and networks.

## Experience

**METAMORY | FULL-STACK DEVELOPER | HONG KONG**

2023/06 - 2023/09

- Utilized **Firebase** for backend services like Firestore, Authentication and Cloud Functions.
- Built and deployed a **Next.js**-based AI chatbot with **OpenAI**'s API, incorporating user features like login, usage limitation and feedback.
- Fine-tuned **GPT3.5-turbo** via OpenAI's API for business needs.
- Aided in developing a **React Native** app with user feature, push notification and other functionality.
- Implemented an **online chatroom** with Firebase Realtime Database.

## Project

**Centralized Crypto Exchange**

**React.js, Node.js, Express.js, MongoDB**

- Built a **MERN** stack-based cryptocurrency exchange.
- Integrated **Braintree** for fiat-to-crypto transactions.
- Enabled user authentication with **JWT** and Salted Hashing.
- Managed **Bitcoin**-like transactions using bitcoin-lib.js.
- Handled **Ethereum**, Arbitrum, and Matic transactions with web3.js.
- Deployed and tested the exchange on Testnet.

**Web Forum Development**

**React.js, Node.js, MongoDB**

- Built a forum app supporting posting, commenting, replying, and admin functionalities.
- Enabled OAuth 2.0 Google login through **GCP** API.
- Constructed **REST** API and interfaced with MongoDB via Mongoose library.

## Languages

English (IELTS 7.0), Mandarin (Native), Cantonese (Proficient)