

HAO WANG

✉ iamhao888@gmail.com · ☎ (+86) 188-2923-6977 · 🧑 Software Engineer

🎓 EDUCATION

Northwestern Polytechnical University (Project 985) Sep. 2017 – Apr. 2020

Master of Engineering in Computer Technology, *1st Prize* University Graduate Scholarship (Top 15%)

Relative courses: Data Mining, Probability and Mathematical Statistics, Matrix Theory, Distributed Computing

Northwestern Polytechnical University (Project 985) Sep. 2013 – Jun. 2017

Bachelor of Engineering in Software Engineering, *2nd Prize* University Undergraduate Scholarship (Top 30%)

Relative courses: Data Structures, Computer Networks, Database Systems, Object-Oriented Programming

👥 WORK EXPERIENCE

Java Engineer at Alibaba (Shenzhen) Technology Co., Ltd. Jul. 2021 – now

- Developed the AliExpress site-wide sharing component configuration platform, undertook large-scale marketing shopping festivals such as “Double Eleven” and “Black Friday”.

Product Delivery Platform

- Optimized the marketing interface from single invocation to batch invocation, reducing the average service response time by 30%, and achieved over 2 million daily active users (DAU).
- Implementing product filtering functionality using the strategy pattern, which has strong extensibility in price values and marketing type strings.
- Developed the PC web version of SpendMore and N dollars for N items in collaboration with multiple teams including Trading, Express, Algorithm, Marketing, and Merchant.

Social Interactive Shopping (GroupBuy, Bargain)

- Implemented mixed deployment of activities for product recommendations in Bargain and GroupBuy business. Incorporated MQ and Redis for seamless persistent storage and concurrent control.
- Achieved a 1:7 sharing diffusion ratio, resulting in 150,000 new users in Bargain,

vivo Mobile Communication (Shenzhen) Co., Ltd. Apr. 2020 – Jul. 2021

- Maintained Android Wi-Fi framework, developed a Wifi detection tool based on the 802.11 protocol, which provides real-time display of bandwidth, frequency, signal strength, and firmware version information.
- Optimized kernel code to enhance WiFi throughput and accomplished WiFi porting for new smartphones.

Graduate Researcher at University (Xi'an, China) Oct. 2018 – Jul. 2019

Location Preserve Blockchain System (Crowdchain)

- Developed Ethereum smart contracts to implement multiple scenarios of transfer functions, aiming to achieve location privacy protection.
- Utilized web3j to establish a connection with the Rinkeby network through an Infura hosted node.
- Published paper as 1st author: “Crowdchain: A location preserve anonymous payment system based on permissioned blockchain”, In 2019 IEEE International Conference on Smart Internet of Things (SmartIoT), pp. 227-233. IEEE, 2019.

🏆 ACADEMIC COMPETITIONS

2nd Prize Awarded in China Graduate Contest on Smart-city Technology and Creative Design Jul. 2018

2nd Prize Awarded in China Undergraduate Mathematical Contest in Modeling Oct. 2015

⚙️ SKILLS / INTERESTS

- Skills: Java | Python | Kubernetes | Redis | Kafka | MySQL | Spring | SpringBoot | JVM | Java multithreading
- Experienced in continuous deployment and delivery within a microservices architecture, leveraging Spring and Spring Boot to develop distributed internet systems.