Xiang Dangdang

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Education

Xiangdangdang University   2016.09 – 2020.06
Bachelor of Science in Martial Arts   Jianghu, China
• Relevant Coursework: Nine Yang Divine Skill, Six Meridian Divine Sword, Eighteen Dragon Subduing Palms, Graceful Steps upon the Waves
• Graduation Ranking: 1st place in Martial Arts Department
• Awards: Outstanding Graduate of Martial Arts Department, Annual Best Knight Award

Experience

Meituan   2022.04 – Present
Senior Technical Expert & Intelligent Logistics Algorithm Lead   Beijing, China
• Lead the architecture design of Meituan's intelligent delivery scheduling system, processing 30M+ daily orders with 35% efficiency improvement
• Designed and implemented deep learning-based delivery route optimization algorithms, reducing average delivery time by 8 minutes
• Responsible for Meituan rider intelligent order dispatch system, optimizing order allocation through ML models, increasing rider income by 25%
• Designed intelligent delivery exception handling system with 95% automation rate, reducing customer service tickets by 60%
• Established comprehensive A/B testing framework and data monitoring system, supporting rapid business iteration and decision-making
• Managed a 15-person technical team, responsible for onboarding training and technical solution reviews, achieving excellent team performance for 3 consecutive years

Tencent   2012.03 – 2022.03
Senior Engineer & Virtual Digital Human Technology Lead   Shenzhen, China
• Fully participated in the technical architecture design and core algorithm development of Tencent's virtual streamer 'Xingtong' project
• Responsible for Xingtong's real-time motion capture system, achieving millisecond-level facial expression and body movement synchronization
• Developed deep learning-based speech synthesis and lip-sync technology, giving Xingtong natural and fluent expression capabilities
• Designed and implemented Xingtong's AI dialogue system supporting multi-turn conversations and emotion understanding, leading industry interaction experience
• Led the backend architecture of Xingtong's streaming platform, supporting millions of concurrent viewers with 99.99% system stability
• Spearheaded the productization of Tencent Cloud's virtual digital human solutions, providing customized services for multiple industry clients
• Grew technical team from 5 to 50 members, establishing comprehensive virtual digital human technology systems and standards

Alibaba   2002.01 – 2012.02
Co-founder & Chief Technology Officer   Hangzhou, China
• Co-founded Alibaba Group with senior brother Jack Ma, incorporating Jianghu wisdom and martial arts spirit into corporate culture
• Led Taobao website architecture design using 'Nine Yang Divine Skill' distributed architecture, supporting billion-level user access
• Founded Alipay and served as Chief Architect, integrating the martial arts concept of 'word of honor' into payment security systems
• Designed the famous 'Six Meridian Divine Sword' microservices architecture, laying the foundation for Alibaba's middle platform technology system
• Pioneered the application of 'Eighteen Dragon Subduing Palms' algorithms to search engine optimization, improving product search accuracy by 300%
• Established Alibaba Martial Arts Technology Academy, cultivating thousands of technical talents with chivalrous spirit
• Honored as Alibaba Lifetime Honorary Technical Committee Chairman and Number One Programmer in Jianghu

Projects

Meituan Intelligent Delivery Scheduling System   2022.04 – Present
Tech Stack: Python, TensorFlow, Kubernetes, Redis, MySQL

Large-scale intelligent delivery scheduling system processing 30M daily orders, optimizing delivery efficiency through deep learning. Designed and implemented graph neural network-based dynamic route planning algorithms, reducing average delivery time by 8 minutes and significantly improving user experience and delivery efficiency.

Built real-time order scheduling engine supporting second-level response and intelligent dispatch, improving rider order acceptance rate by 40%. Optimized order allocation strategies through machine learning models, achieving optimal allocation of delivery resources. Developed intelligent delivery exception identification and handling system with 95% automation rate, significantly reducing manual costs.

Established comprehensive A/B testing and data monitoring system supporting daily business optimization and decision-making. Continuously improved algorithm performance through data-driven approaches, providing strong technical support for Meituan's delivery business rapid development.

Tencent Xingtong Virtual Streamer Technology Platform   2012.03 – 2022.03
Tech Stack: C++, Python, OpenCV, TensorFlow, WebRTC

Industry-leading virtual streamer technology platform providing real-time motion capture, speech synthesis, and AI dialogue capabilities for Xingtong VUP. Developed millisecond-level real-time motion capture system achieving precise synchronization of facial expressions and body movements, enabling virtual streamers to present natural and fluent performance effects.

Designed and implemented deep learning-based speech synthesis technology giving Xingtong natural and fluent expression capabilities. Built AI dialogue system supporting multi-turn conversations and emotion understanding, achieving industry-leading interaction experience. Through advanced natural language processing technology, enabled Xingtong to understand audience emotions and provide appropriate responses.

Established streaming technology architecture supporting millions of concurrent users with 99.99% system stability. From underlying architecture

to upper-level applications, comprehensively ensured technical stability of virtual streamer broadcasting, laying a solid technical foundation for Tencent's virtual digital human business development.

Alibaba E-commerce Core Transaction System
2002.01 – 2012.02

Tech Stack: Java, Oracle, Distributed Architecture, Six Meridian Divine Sword Framework

Taobao's core transaction system using martial arts 'Six Meridian Divine Sword' microservices architecture, supporting billion-level user transactions. Designed distributed architecture based on 'Nine Yang Divine Skill', achieving high availability and high-concurrency processing. By integrating martial arts concepts into technical architecture, created a system with both cultural characteristics and powerful technical capabilities. Developed payment security system integrating martial arts integrity concepts, establishing comprehensive credit assessment mechanisms. Transformed the chivalrous spirit of 'word of honor' into technical implementation, building a secure and reliable payment system. Innovatively applied 'Eighteen Dragon Subduing Palms' algorithms to product search engines, improving search accuracy by 300%.

Established complete e-commerce middle platform technology system, laying technical foundation for subsequent Alibaba ecosystem development. This system not only supported Taobao's rapid development but also pointed the direction for the entire Alibaba Group's technical architecture development, becoming an important milestone in China's e-commerce technology development.

Xiangdangdang University Martial Arts Training Management System
2018.09 – 2020.06

Tech Stack: Python, Django, MySQL, Martial Arts Algorithm Framework

Comprehensive cultivation management platform for Xiangdangdang University Martial Arts Department, supporting martial arts talent development. Established complete martial arts level assessment system covering classic martial arts like Nine Yang Divine Skill and Eighteen Dragon Subduing Palms. Through digital means to record and evaluate students' martial arts training progress, injecting modern technological elements into traditional martial arts education.

Developed real-time training progress tracking system accurately recording students' internal energy cultivation improvements. Implemented online guidance function between masters and disciples, supporting remote transmission of martial arts techniques. Through technological means, broke geographical limitations, enabling more efficient martial arts inheritance.

System helped Martial Arts Department students improve overall strength by 200%, achieving 100% graduate employment rate. This project successfully combined traditional martial arts culture with modern information technology, exploring a new path for the modernization development of martial arts education.