Kaiqiang Xu

+86-138-5418-1826 · andyxukq@gmail.com · website: https://andyxu.xyz

EDUCATION

Renmin University of China   **Beijing, China**
B.S. Computer Science   Class of 2017
Coursework includes Operating System, Computer Networking, Digital Image Processing, Cryptology, Compiler Theory, Algorithm Analysis, Graph Theory and Math Analysis.

RESEARCH INTEREST

Networking Applications, Protocols and Infrastructures

Computer Architecture and Operating Systems

Distributed Databases and Data Processing

AWARDS

National University Student Innovation Program   **Beijing, China**
Highest Remark   March 2015
Research Project: Internet-based Collaborative Software Engineering
Based on the fundamental concept of the microkernel architecture pattern in Unix-like systems, we proposed microservices architecture and network protocols in distributed systems, this approach decouples complex software logic and reduces difficulties in development collaboration.

ACM International Collegiate Programming Contest   **Zhejiang, China**
Silver Medal (Asia Regional)   October 2012

PROFESSIONAL EXPERIENCE

Vincross Robotics   **San Francisco, CA & Beijing, China**
Chief Operating Officer   May 2016 to Present
Bring emerging consumer robotics technology to international markets
- Manage all robotics engineering activities to implement robotic products, including product prototyping, software engineering and embedded engineering on ARM Cortex-A53 and Cortex-M
- Designed the proprietary robot operating system MIND OS (see below for details)
- Lead, manage and grow a 60+ member engineering team internationally

Create MIND OS, a universal robotics OS and SDK
- MIND is based on the Linux kernel and is optimized for robots, MIND OS has its own abstraction layer to manage processes, networking, applications, and peripherals on robot devices
- Created a developer-friendly SDK that would fulfill the real-time requirements throughout the development of applications for robots by integrating with real-time OS
- MIND OS Cloud Service enables network communication between robots and mobile/IoT devices
- Website: https://www.vincross.com/mind / Documentation: https://documentation.vincross.com/

Career Dream Technology Limited   **Beijing, China**
Chief Technology Officer   September 2014 to May 2016
- Designed and operated an online job search engine for both job seekers and recruiters
- Designed microservice architecture including pub/sub, load balancer, and data access layer
- Implemented methodologies and processes that deliver reliable websites and mobile applications, including unit testing, continuous integration, release management, and product documentation

REFERENCE

Prof. Xiaoyong Du   Professor and Dean, School of Information, Renmin University of China
Prof. Hui Sun   Associate Professor of Computer Science, Renmin University of China