

RUIYAO YAO

SOFTWARE DEVELOPMENT ENGINEER

+86 18210298098 | rye.y.cn@gmail.com | ryeyao.tk/en

TECHNICAL SKILLS

- Languages: Java, Linux C/C++, Python, JavaScript
- Operating Systems: Linux, Windows
- Networking: TCP/IP, HTTP
- Tools: Git, Vim, Eclipse, IntelliJ IDEA

PROJECT EXPERIENCE

- Computer Security Monitor System based on Indoor Positioning (application of IoT Supporting Platform)
 - Assisted in software architecture design and directed the development and maintaining of major modules.
 - Achievement Highlights: Cleaned and restructured about 100,000 history records from MySQL database for training and this together with a well designed feature vector increased the classification accuracy by 6%.
- Data Interface (message-oriented middleware of IoT Supporting Platform)
 - Designed and implemented an HTTP-based data exchange protocol. Implemented a scalable data exchange service.
 - Achievement Highlights: Reduced the code lines by about 50% and increased the concurrency rate by about 500%.
- Live Video Streaming Service & Applications (video subsystem of IoT Supporting Platform)
 - Designed software architecture. Took full charge of development and integration.
 - Achievement Highlights: Started as a newbie with little experience in developing software and completed a stable version in three months. This service has been integrated into multiple internal projects.

AWARDS/HONORS

- Second class prize winner, Challenge Cup, Peking University
- Financial aids awarded for outstanding intern performance, SKLOIS, IIE, CAS

EDUCATION

- Masters of Software Engineering, 9/12-6/15 Peking University
- Bachelor of Computer Science, 9/07-6/11 Henan University of Technology

INTERNSHIP

State Key Laboratory of Information Security (SKLOIS), Institute of Information Engineering (IIE), Chinese Academy of Sciences (CAS), 7/11-7/14

VOLUNTEER EXPERIENCE

Photographer, GNOME.Asia 2014 Summit, 5/14 Beijing