# RUIYAO YAO          SOFTWARE DEVELOPMENT ENGINEER

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### 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

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