

Jason Jie ZHU

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Education

- Sep 2006 -- Jun 2010, Tongji University, Bachelor of Engineering in Automation. Overall GPA 4.25/5.0.
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Experience

- *Jul 2010 -- Present, Embedded software engineer, Cisco Systems.*
Hybrid fiber-coaxial(HFC) products including network management solutions. Contribute to development of DOCSIS network Cable Modem and related network management system.

Have designed and implemented a dynamically data collection subsystem which queries core status of different network devices from their independent MCUs or with inner ADCs. Including an embedded, hardware independent C-like expression system aiming at data conversion. Also take part in automatic test station implementation.

Specialties

- Extensive C/C++ programming experience in embedded system development including diagnostics on code and register level,
 - Networking principles, plus working knowledge of related disciplines, e.g. TCP/IP, HTTP, FTP, computer security, algorithms, database, and operating systems,
 - Background in network management concepts including SNMP, MIB design,
 - Practical skills at Javascript, mainly AJAX on embedded platform, including common libs such as jQuery,
 - Familiar with Python, VBA and shell scripts(Bash, zsh and GNU common tool, such as grep, sed and awk),
 - Hands-on experiences in embedded interpreter implementation with Yacc & Lex (Bison & Flex),
 - Technical documentation written skill and automatic documentation preparation with LaTeX, Doxygen and Markdown.
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Professional

- Proficient in MS Office
 - Cooperate with cross-functional team with experience of version control system such as CVS, Git and mercurial(hg).
 - Possessing effective communication skills in both spoken and written English
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