

Ma Zhong

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Education

- **University of Electric Science and Technology of China** Chengdu, China
Master of Engineering in Computer System Architecture; GPA: 3.12/4.0 Sep. 2002 – Jun. 2005
- **Northeastern University at Qinghuangdao** Qinghuangdao, China
Bachelor of Engineering in Computer Science and Technology Sep. 1998 – July. 2002

Experience

- **Self-employed** Chengdu, China
Entrepreneur & Househusband Jan. 2016 - Present
 - **Three Cooperation Human Resources Service(Chengdu) Co.,Ltd.:** It is a company which mainly provides labour dispatch products. Helped to establish the company.
 - **Childcare:** Look after my son at home.
- **Human Resources and Social Security Bureau of Pixian County** Chengdu, China
National Civil Servant May 2013 - Dec. 2015
 - **Civil Servant Management System:** It is a personnel management system based on web.
- **Spreadcomm Technology Corp.** Chengdu, China
Technical leader Jun. 2011 - Apr. 2013
 - **Technical support:** Solved problems about SIP, TCP/IP, Network security and trained junior software engineers on VoIP, Cryptology or other areas.
- **Teleca Solution Co.,Ltd.** Chengdu, China
Senior Software Engineer Nov. 2008 - May 2011
 - **MCE/MCC:** MCE/MCC is a Middleware Software of Symbian which provides IP service for application.i.e PoC, VoIP, MuSh.
 - **Technical Support:** Solved problems about SIP, RTP, NAT, SVP, Cryptology or other components.
- **COMMIT Inc.** Shanghai, China
Senior Software Engineer Jun. 2007 - Apr. 2008
 - **Video Telephony:** Video Telephony is a videophone based on TD-SCDMA, one of 3G standards. Maintained Radvision 3g324m protocol stack. Integrated CM324 module and 3g324m protocol stack.
 - **DTI module:** Developed and maintained DTI module. Established DTI channels between CM324 module and Speech module, and between CM324 module and OpenMax module.
- **S3 Graphics Inc.** Shanghai, China
Senior Software Engineer Feb. 2006 - Jun. 2007
- **VIA Software Co.,Ltd.** Hangzhou, China
Software Engineer Apr. 2005 - Feb. 2006

VEPD(VIA Embedded Platform Department) had been transferred to Shanghai from Hangzhou on Feb. 2006.

 - **SIP Phone SDK:** SIP Phone SDK is a set of SDKs for constructing a VoIP call. Implemented SIP protocol(Parser, Transaction & FSM, UA), SRTP protocol, Key management module, Transport(UDP, TCP, TLS) layer, Phone Toolkit layer, key mapping module on Windows, Linux and Windows mobile platforms.
 - **PadLock SDK:** Padlock SDK is a set of SDKs providing more effective cipher suites. Encapsulated random generator assembly instruction, Hash algorithm assembly instruction and AES algorithm assembly instructions by C language. Implemented mode exponent interface basing on mode multiplication assembly instruction.
- **Shenzhen Kingdom Sci-Tech Co.,Ltd.** Shenzhen, China
Intern Software Engineer Jun. 2003 - Jan. 2004
 - **Cryptology Research:** Research on cryptology algorithms including Symmetric-key algorithms: DES, RC2, RC5, AES, IDEA, Public-key algorithms: RSA, DH, ECC and Digest algorithms: SHA, MD5. Designed a pre-random generation algorithm.
 - **SSL protocol:** Implemented SSL protocol on KCXP which was a communication middle-ware. Integrated SSL protocol and these cryptology algorithms.

Programming Skills

• **Languages:** C/C++, Python, Scheme, Java

Technologies: Network, VoIP, Cryptology