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### **Education:**

May 2010 – May 2014:

Bachelor of Science in Computer Science, School of Computing, Informatics, and Decision Systems Engineering, Arizona State University

### **Professional Experience:**

Demeng Technology Ltd.; Zhengzhou, China Mar/2007 – Jun/2009

Founder and Chief Technology Officer

- This company focused on embedded system
- Skills used - Enterprise management, Arm processor with QT UI framework on Linux, Real time feedback control system for mechanical equipment (MCU, DSP, FPGA, motor driver circuit, Hall/Inductive sensors)

### **Honors and Awards:**

1. Dean's List, Fall 2013, Spring 2012 and Fall 2010

School of Computing, Informatics, and Decision Systems Engineering at Arizona State University

2. Certificate of excellence for outstanding performance in undergraduate Calculus, Mar 2011

School of mathematical and statistical sciences at Arizona State University

3. World Engineers' Convention (WEC), Nov 2004, Future Engineers Award (Research Paper Award).

World Federation of Engineering Organizations (WFEO), United Nations Educational Scientific and Cultural Organization (UNESCO), China Association for Science and Technology, Chinese Academy of Engineering

4. APEC Youth Science Festival, Aug 2004, Research Paper Award, Project Show Award.

Asia-Pacific Economic Cooperation

5. China Adolescents Science & Technology Innovation Contest (CASTIC), Aug 2004, second-class Award

China Association for Science and Technology, Ministry of Education, Ministry of Science and Technology, Ministry of Environmental Protection, National Natural Science Foundation

6. National Entrance Exam-waived qualification (Awarded by Ministry of Education of the People's Republic of China), Apr 2004

Ministry of Education of the People's Republic of China

7. Little Scientists of Tomorrow, Feb 2004, Award

Ministry of Education (MOE), China Association for Science and Technology, Hong Kong H. S. Chau Foundation

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8. China Adolescents Science & Technology Innovation Contest (CASTIC), Aug 2003, third-class Award

China Association for Science and Technology, Ministry of Education, Ministry of Science and Technology, Ministry of Environmental Protection, National Natural Science Foundation

9. Henan Province Adolescents Science & Technology Innovation Contest, Apr 2004, first-class Award

China Association for Science and Technology, Ministry of Education, Ministry of Science and Technology, Ministry of Environmental Protection, National Natural Science Foundation

10. Henan Province Adolescents Science & Technology Innovation Contest, may 2003, first-class Award

China Association for Science and Technology, Ministry of Education, Ministry of Science and Technology, Ministry of Environmental Protection, National Natural Science Foundation

### **Publications and Presentations:**

1. bing hao. Nov 2004. Classical Kinematics High-speed Graphic Analysis Platform. Public presentation about my personal research project on World Engineers' Convention (WEC), Research Paper Award

2. bing hao. Aug 2004. Kinematics experiment equipment design and implementation based on the laser measurement technology. Public presentation about my personal research project on APEC Youth Science Festival (AYSF), Research Paper Award

### **Technical Experience**

C/C++	10+ years
Python	4+ years
Windows Development	10+ years
U/Linux Development	7+ years
Embedded System	9+ years
Digital System	8+ years
PLD/FPGA/CPLD	5+ years

### **Languages**

English and Mandarin

### **Personal Lab in the U.S.**

I have built my personal research laboratory in the U.S. since 2010. This laboratory focuses on software and hardware integration, foundational framework for hardware as service and service-oriented smart-home architecture.

The information about laboratory facilities can be found at the following URL:

<http://uniteng.com/index.php/facilities>

Recent Projects:

<http://uniteng.com/index.php/projects>

