

CURICULLUM VITAE

Min Bao

Personal Information

Full Name: Min Bao
Birth Date: October 11th, 1981
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Education

2007-Now Ph.D. studies in computer engineering at Linköping University, Linköping, Sweden
(Exp. 2012)

2004-2007 M.Sc. in computer engineering at University of Electronic Science and Technology of
China (UESTC), Chengdu, Sichuan.
GPA: 3.79/4 Ranking: Top 0.7%

2000-2004 B.Sc. in computer engineering at University of Electronic Science and Technology of
China (UESTC), Chengdu, Sichuan.
GPA: 3.69/4 Ranking: Top 2.1%

Awards

2010 Finalist of 2010 *Google Anita Borg Memorial Scholarship*, EMEA
(Europe, the Middle East and Africa)

2004 “*Excellent Graduate of Sichuan Province*”, Ministry of Education, Sichuan, China.

2001-2005 University (UESTC) “*People’s Scholarship*”, China
(2002, 2005 Top Prize; 2001, 2003 1st Prize; 2004 2nd Prize)

RESEARCH & WORK EXPERIENCE

2007(Jan.) –Now: Research assistant and PhD student at Embedded Systems Lab, Linköping University, Sweden

- Research and development of algorithms, methodologies and tools for thermal analysis and energy optimization for time-constrained embedded systems. The results have been published on the top conferences in the area.

2006 (Apr.) -2007(Jan.): System Software Engineer (Intern) at Intel Shanghai Asia-Pacific Research & Design Co., Ltd., China

- Research and implementation of system-level power management architectures.
- Research and implementation of a dynamic voltage scaling algorithm for the Intel Xscale platform.

2005 (Jul.) -2006(Apr.): System Software Engineer (Intern) at MXIC Micro-Electronic Co., Ltd., China

- Optimization and implementation of an MP3 encoding algorithm on the MXIC DSP processor.
- Implementation of the system start-up procedure, a USB driver and a file system for a MIPS-based embedded system.

2003 (Aug.) -2005 (Jun.): Research Assistant at Embedded and Real-Time Systems Lab, University of Electronic Science and Technology of China

- Research on embedded operating system kernel configuration techniques and co-implementation of a kernel configuration tool for embedded linux operating system.

Selected Publications (complete list available at <http://www.ida.liu.se/~minba>)

- M. Bao, A. Andrei, P. Eles, Z. Peng, "*Temperature-Aware Idle Time Distribution for Energy Optimization with Dynamic Voltage Scaling*", Design, Automation, and Test in Europe (DATE), 2010, Dresden, Germany, 2010.
- M. Bao, A. Andrei, P. Eles, Z. Peng, "*On-line Thermal Aware Dynamic Voltage Scaling for Energy Optimization with Frequency/Temperature Dependency Consideration*", Design Automation Conference (DAC), 2009, San Francisco, USA
- M. Bao, A. Andrei, P. Eles, Z. Peng, "*Temperature-Aware Voltage Selection for Energy Optimization*", Design, Automation, and Test in Europe (DATE), Munich, Germany, 2008.

Advanced Technical Knowledge & Experiences

- Programming Languages C/C++, Java
- Computer Algorithms Advanced Computer Algorithms Design, Optimization Algorithms, e.g. Mathematical (linear/non-linear) Programming, Combinatorial Optimization, etc.
- Embedded Software Embedded operating systems, firmware, e.g., power management, system start-up and initial procedure, USB drivers, file systems etc.
- Computation & Modeling Thermal Analysis/Modeling

Leadership and Administrative Duties

2003-2004 President of the student union (Literature and Art branch) of Computer Science and Engineering Dept., University of Electronic Science and Technology of China.

Teaching Experience

2007(Jan.) -Now: Teaching assistant at Linköping University, Sweden.

- Involved in teaching various courses on the following topics: embedded systems, real-time systems, data structures and software quality.

Social Activities

2004(Jul.) -2004(Aug.): 2004 English Summer Camping of Chengdu YuCai Middle School, Sichuan, China

- English teaching assistant and Interpreter; Co-organize summer camping activities.

2003(Jul.) -2004(Aug.): English Summer Camping of Nanchong No. 11 Middle School, Sichuan, China

- Interpreter; Co-organize summer camping activities.

2003 -2005: Part-Time Job for the Magazine "The Science Fiction World", China

- Translator (English to Chinese); Have published two science fictions.

Languages

English: Fluent
Swedish: Basic
Chinese: Native

References

Available upon request