Wan Hu
Curriculum Vitæ

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Research Experience

April 2013 – April 2012

Project supported by the College Students Research and Career-creation Program of Capital Normal University

- Project Principal
- *Design of FIR Digital Filter based on Nios II*
- Solved the FIR IP core design, programmed in hardware description language to filter audio

June 2011 – June 2012

Project supported by the Laboratory Program Foundation of Capital Normal University

- Project Principal
- *Study on Mass Data Processing Based on Hadoop*
- Analyzed Hadoop's mass data sorting algorithm *TeraSort*, applied to real project as a benchmark
- Won the Excellence Award

April 2011 – April 2012

Project supported by the Beijing College Students Research and Career-creation Program

- Project Member
- *Research on Power Consumption and Cache-aware Scheduling Algorithm for Multiprocessor Systems*
- Participated in developed a Cache-aware scheduling algorithm for multiprocessor systems
- Administered the algorithm testing and simulation on Linux system, handled,analyzed experiment data
- Won the second prize of Beijing College Students Research and Career-creation Program

April 2010 – April 2011

Project supported by the National Undergraduate Innovation Program

- Project Principal
- *Routing Management Conversion Interface's Design and Implementation under Unix/Linux Systems*
- Studied the routing management function on the Unix/Linux systems(based on GNU routing software *Zebra*)
- Designed and implemented routing management conversion interface

Education

2009 – 2013 **Undergraduate**
Computer Science & Technology
Capital Normal University
GPA 3.93/5

Honors and Awards

2014.01 **Excellent Student of State Key Laboratory of Computer Architecture**
Institute of Computing Technology, Chinese Academy of Sciences

2013.12 **Scholarship for Students of Chinese Academy of Sciences**
Chinese Academy of Sciences

2013.06 **Excellent graduates of Capital Normal University**
Capital Normal University

2012.04 **The Excellence Award of Beijing College Students Research and Career-creation Program**
Beijing Municipal Education Commission

2012.04 **The Excellence Award of Laboratory Program Foundation of Capital Normal University**
Capital Normal University

2011.12 **The 3rd prize of the 6th National Information Technology Application Level Competition**
The Education Management Information Center of Ministry of Education,China

2011.10 **The 2nd prize of the 2nd Beijing College Students Computer Application Contest**
Beijing Municipal Education Commission

2010,2011,2012 **National Scholarship for Encouragement**
Ministry of Education of China

Work Experience

Sept 2013 – Present

Video processing research and development
Institute of Computing Technology,Chinese Academy of Sciences,Intern

- Integrating Intel Quick Sync Video Hardware Acceleration to Enhance Performance of video processing platform on both Windows and Linux

- Developing the real-time streaming media encoding/transcoding system based on FFmpeg