

WAN HU

Curriculum Vitæ



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<http://mengyingchina.github.com>

RESEARCH EXPERIENCE

CURRENT, FROM 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(the only one of our college be awarded)

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
- Accepted after school reception process, and reduced surplus spending by applying the system in networking laboratory

EDUCATION

2009 – PRESENT

Undergraduate

COMPUTER SCIENCE & TECHNOLOGY

Capital Normal University

GPA 3.93 (Top 3 students)

HONORS AND AWARDS

2012

**The 2nd prize of Beijing College
Students Research and
Career-creation Program**

Beijing Municipal Education Commission

2012

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

Capital Normal University

2011

**The 3rd prize of the 6th National
Information Technology Application
Level Competition**

*The Education Management Information
Center of Ministry of Education, China*

2011

**The 2nd prize of the 2nd Beijing
College Students Computer Appli-
cation Contest**

Beijing Municipal Education Commission

2010-2012

National Scholarship for Encouragement
Ministry of Education of China

WORK EXPERIENCE

SEPT 2012 – JAN 2013

COMPUTER ARCHITECTURE AND CPU DESIGN PRACTICE
Tutor

College of Information Engineering, CNU

Guided students with severe challenges through courses
and designed simple tactile learning experiences.

SUMMER 2012

Summer Intern at EDA Laboratory

College of Information Engineering, CNU

Worked on design of digital signal processor based on
DSP Builder.

2013

L^AT_EX Thesis Template for Capital Normal University

- Project Principal
- Designed and implemented LaTeX Thesis Template for Capital Normal University
- Focus on the development and promotion of digital typography & reading