

Enbang Wang

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Education:

Binghamton University, State University of New York

Watson School of Engineering and Applied Science

Master of Science in Electrical and Computer Engineering

GPA 3.00/4.00

Expected May 2014

Northeastern University at Qinhuangdao

Bachelor of Science in Electrical Engineering

May 2012

Technical Skills:

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|-------------------------|----------|----------|----------|
| • C/C++ | • JAVA | • PLC | • PSPICE |
| • HTML (Basic concepts) | • MATLAB | • Xilinx | |

Technical Courses:

Cmos Vlsi Circuits & Architecture, Digital System Design, Optics Electro, Biosensors and Bioelectronics, Wireless Communication

Current Courses: System on a Chip, Electric Drives

Graduate-level Project Experience:

UHS GERD Disease Tracking Android APP, Binghamton, NY

Oct – Dec 2013

- Created a mobile app targeting at Gastro esophageal Reflux Disease(GERD), mainly focusing on three symptoms including heartburn, regurgitation and indigestion, and tracking patients daily representative food.
- Used machine learning model to predict the condition of patients.

Binghamton University

• **Design and simulation of CMOS and Domino full adders using PSPICE**

Apr – May 2013

- Designed CMOS and Domino full adders, Compared the output response of them.
- Used PSPICE to do power analysis to find out which one has less power consumption.

• **Design a two-stage Op-Amp Circuit using Cadence, Mentor Graphics**

Oct – Dec 2013

- Designed CMOS and Domino full adders, Compared the output response of them.
- Used PSPICE to do power analysis to find out which one has less power consumption.

• **Cache Coherence Design**

Oct – Dec 2013

- Improved the performance of architecture by designing a two-way set associative cache system.
- Designed and improved necessary system and data path modules using Verilog to handle data communication between two CPU cores.
- Simulated all possible cache coherence scenarios(read miss, read hit, write miss and write hit) using Xilinx ISE tool and verified correctness of the design.

Leadership Experiences:

Leadership Volunteers and Orientation Assistants, Binghamton, NY

Jul – Aug 2013

- Assisted staff and 15 orientation assistants in providing excellent service to students and their visiting families.
- Collaborated with 4 different offices to ensure proper knowledge and a smooth transition for new students.
- Gave presentation to help students learn more about life and academic in school.