

Haochen Wang

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EDUCATION

Stony Brook University, Stony Brook, NY

M.S., Electrical and Computer Engineering Candidate, Expected graduation, Dec 2015

- GPA 3.8/4.0
- Having enrolled in courses such as algorithm, graph theory in Computer Science Department.

Beijing University of Posts and Telecommunications, Beijing, CHINA

B.S., Computer and Communication Engineering, Jun 2013

- GPA 3.5/4.0
- Graduate as top 20% among 600 students.

WORK EXPERIENCE

STONY BROOK UNIVERSITY SENSOR CAT LAB, Stony Brook, NY

Computer Engineer, Sep 2014 – May 2015

- Establish a comprehensive embedded system detecting the color composition and light intensity of an object.
- Use C++ programming the chip to create a user-friendly software interface.
- Use Atmel microcontrollers, light sensors and multiple ADCs in core control circuit, as well as a serial communication interface and a LCD display to capture real-time data flow.
- Assemble the system on packaged Acrylic board in order to exhibit to buyers.

STONY BROOK UNIVERSITY, Stony Brook, NY

Graduate Teaching Assistant, Aug 2013 – May 2014

- Schedule and maintain regular office hours to meet with students.
- Complete laboratory projects prior to assigning them to students so that any needed modifications can be made.
- Provide assistance to faculty members or staff with laboratory or field research.
- Work with the instructor on his own research projects.

NATIONAL COMPUTER NETWORK RESEARCH LAB, Beijing, CHINA

Research Assistant, Dec 2012 – Jun 2013

- Work on senior graduation thesis in national computer network research lab in Beijing.
- Write C++ programs to verify and authenticate the experimental data.
- Work with graduate students on the topic of Multi-path TCP communication involving the knowledge Named Data Network, which was part of the "Deployment of Next Generation Network" topic.

INNOVATION CAMP, Shanghai, CHINA

Software developer, Jun 2012 – Aug 2012

- Help establish a startup software company named Prototype Technology Inc.
- Develop a mobile application aiming at college students running on both Android and iOS platforms.
- Use Django to update users' data and synchronize database.

PROGRAMMING AND DESIGN SKILLS

- Proficient in C++ and Java
- Matlab, Django, VHDL and Linux System.
- Embedded system design, Eagle PCB design