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