**HAOCHEN WANG**

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**Work experience and research projects:**

**Embedded Software engineer (2014.8-2015.8)**

***Sensor CAT lab***–*Stony Brook, NY*

Designed and implemented a color composition detection and estimation system using C++ in accordance to industrial standard for a commercial company.  
Performed in-depth electrical acceptance testing of completed hardware, including  
continuity and high potential isolation testing.  
Continually improved methods and procedures for processes, measurement, documenting and work flow techniques.

**Software engineer (2012.6-2012.12)**  
***Innovation Camp***–*Shanghai*, *China*

Developed Android mobile application oriented on college students.

Worked as a backend software engineer where my responsibilities are to maintain server and manage database utilizing on Python/Django and MySQL.  
Wrote maintainable and extensible code and debug on Unix system, and committed to an open source project on Github.

**Research assistant (2012.12-2013.6)**

***National computer network research lab*** –*Beijing*, *China*

Research topic in evaluation on performance of Named Data Networks (NDN).

Run automation test program written in Java on Linux platform validating the authentication of an NDN infrastructure, and reformulate models if necessary.  
Present and provide with detailed and comprehensive research project reports.

**Graduate teaching assistant (2013.8-2014.5)**  
***Stony Brook University*** –*Stony Brook*, *NY*

Successfully improved student participation in the classroom through integration of creative role-playing exercises.  
Helped instructor grade exam papers teach in lab sessions and spend extra time to answer  
students' questions.

**Education:**

**Master of Science**: **Electrical engineering (2013.8-2015.12)**  
***Stony Brook University*** - *Stony Brook*, *NY*

GPA 3.8/4.0. Experience in algorithm, data structure and machine learning.

**Bachelor of Science**: **Computer engineering (2009.8-2013.6)**  
***Beijing University of Posts and Telecommunications*** - *Beijing*, *China*

GPA 3.5/4.0.

**Skills:**

**Programming skills:** C++, Java, Python/Django, MySQL, HTML/CSS/Javascript

**Design skills:** Data mining, Unix, embedded system design, PCB design.