HAOCHEN WANG

303 Eastwood Boulevard, Centereach, NY 11720
Cell: 6318802815 - hcallen.wang@gmail.com

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, Linux, embedded system design, PCB design.