

# HAOCHEN WANG

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## WORK HISTORY

08/2014 -- 08/2015 **Embedded software engineer**

**Sensor CAT lab** – *Stony Brook*

- Designed and implemented a color composition detection and estimation system 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.

05/2012 -- 08/2012 **Software engineer**

**Innovation Camp** – *Shanghai, China*

- Worked as back-end programmer using Django/JSON developing web and mobile applications.
- Wrote maintainable and extensible code in a team environment.
- Worked closely with other team members to plan, design and develop robust solutions in a timely manner.

08/2013 -- 05/2014 **Graduate teaching assistant**

**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.
- Collaborated with a team of other TAs to develop after-school tutorial program for students in need of extra help.

12/2012 -- 06/2013 **Research Assistant**

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

- Research topic in Named Data Networks (NDN), majorly support quantitative work with data science.
- Perform validation and testing of engineering models to ensure adequacy and reformulate models as necessary.
- Develop and write research reports.

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## SKILLS

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|--------------------|-------------|
| • C, C++           | • Matlab    |
| • Java, Javascript | • VHDL      |
| • Python, Django   | • Eagle PCB |
| • Linux            | • HTML/CSS  |
| • SQL              |             |
| • Data Mining      |             |

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## EDUCATION

2015

**Master of Science: Electrical engineering**

**Stony Brook University** - *Stony Brook, NY*

Coursework in Algorithm and Data Mining.

- GPA: 3.8/4.0, emphasis in software development.

2013

**Bachelor of Science: Computer engineering**

**Beijing University of Posts and Telecommunications** - *Beijing, China*

Top 20% of class, GPA: 3.5/4.0.

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