

# WANNING WEI

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## EDUCATION

**Columbia University, New York, U.S.**

**M.S. in Computer Engineering**

Expected Dec 2013

- G.P.A. 3.84/4.0
- Relevant Coursework: Computer Networks; Analysis of Algorithms; Computer Communication Networks; Network Laboratory; Software Defined Networks; Digital Signal Processing;

**Shanghai Jiao Tong University, Shanghai, China**

**B.S. in Electrical Engineering**

July 2012

- G.P.A. 3.4/4.0
- Honors: Academic Excellent Scholarship, Shanghai Jiao Tong University
- Awards: Meritorious Winner in Mathematical Contest in Modeling; Second Prize in China Undergraduate Mathematical Contest in Modeling

**Summer Program in Georgia Institute of Technology, Atlanta, U.S.**

Summer 2011

- G.P.A. 3.7/4.0

## EXPERIENCE

Research Intern

May 2013 - Aug 2013

**Philips Research North America**, 345 Scarborough Road, Briarcliff Manor, NY 10510

- Successfully designed and implemented a tablet-based light meter (with calibration functionality) and integrated it into an Android audit tool.
- Developed a prototype version of energy savings calculator and output report generator in the audit tool, which computes energy savings and cost, displays summary and details as a proposal.
- Set up a web server application for energy and financial analysis tool, deployed it on local IIS server.

Research Assistant

Sep 2011-June 2012

**Geo-spatial Information Technology Center**, Shanghai Jiao Tong University, Shanghai, China

- Implemented different kinds of image fusion methods, this work enhanced the video navigation system of a self-navigate robot.
- Performed a new 3D vision method by moving image layers via different speed, which was successfully used in several views of an Android application.

Engineering Intern

July 2011-Aug 2011

**Cisco System, Inc**, Hangzhou, Zhejiang, China

- Worked with 3 teammates on Cisco IPCC& IPT systems, Cisco UC solution and structured available network solutions for an electronic commerce store
- Presented products to clients in a marketing promotion activity

## PROJECTS

**Computer Networks Projects (Java)**

Feb 2013-May 2013

- Implemented Selective Repeat Protocol and Distance Vector Protocol in a local network, and also combined them together to make the network more reliable.
- Designed and constructed a network between server and multiple clients for a tic-tac-toe game.

**Optimization In Telecommunication Network With Radio Repeaters(C++)** Jan 2011- Feb 2011

- Designed an optimal repeater network system for users to communicate wireless.
- Simulated the system to achieve a good performance for multiple user groups.

## TECHNICAL SKILLS

- **Programming Languages:** Java, Android, C++, Matlab, Python, JavaScript, HTML, C#, SQL, IP routing, Frenetic
- **Software:** Eclipse, Linux, UNIX, Cisco IOS, Matlab, Git, SVN, Visual Studio, Adobe PhotoShop, Latex, Wireshark