

YUNXIA WANG (Angelina)

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OBJECTIVE: A full-time software-development or technical consultant position

EDUCATION

Cornell University, Ithaca, NY, USA

Aug. 2015 - Exp. May. 2016

Master of Engineering in Electrical & Computer Engineering - GPA 3.5/4

Southeast University, Nanjing, Jiangsu, China

Sep. 2011 - Jun. 2015

Bachelor of Engineering in Information Science & Engineering - GPA 87.8/100, 3.6/4

Washington State University, Pullman, WA, USA

Aug. 2014 - Dec. 2014

Exchange student in Electrical Engineering - GPA 3.7/4

PROJECT EXPERIENCE

Cornell University, Ithaca, NY, USA

Personal Website

Jan. 2016 - Feb. 2016

✧ Designed beautiful HTML and CSS layout for my own personal website; use PHP for user interactions.

Cornell Tour Guide System

Oct. 2015 - Dec. 2015

✧ Developed an ANDROID application providing search and category functions for information of Cornell facilities and attractions; providing navigation based on Google maps.

✧ Built server and database in PHP and MYSQL as the back-end for the app.

Handwritten Mathematical Expression Recognition and Calculation

Nov. 2015 - Dec. 2015

✧ Designed a C++ application (LINUX OS) recognizing math expression written in one row based on KNN algorithm.

✧ Implemented Seam Carving and directly scaling algorithm to process bitmap images and training data.

✧ Accelerated recognizing runtime using high-level synthesis and FPGA.

System Engineering Design of Bluetooth Loudspeaker

Sep. 2015 - Dec. 2015

✧ Presented the thorough product design concepts and procedures with more than 30 system engineering tools.

✧ Optimized the product considering both customer needs and engineering manufacture.

Southeast University, China

Personalized Navigation System Based on Mobile Internet

May 2013 - May 2014

✧ Team leader in a three-people group.

✧ Developed an ANDROID application; built server and database for it in PHP and MYSQL; implemented navigation function using Baidu Map SDK.

✧ Created new features of sharing group people's location and providing travel suggestions.

Other Software Projects

✧ Developed a Campus Navigation application in MFC C++.

✧ Coded a virtual Parking Lot Control System, a Parallel Output Controller, and a Microprogrammed Central Processing Unit referring computer organization and architecture in VHDL.

SKILLS

- ✓ Programming Languages: JAVA, C++, Android, PHP, MYSQL, Javascript, HTML, CSS, Matlab, VHDL, Assembly
- ✓ Engineering Tools: ADS, AWR, HFSS, Network Analyzer, Altium Designer, Cadence, Quartus, Multisim, AutoCAD

HONORS AND ACTIVITIES

✧ Publication: *A new Ka-band 180° hybrid coupler*, *Wireless and Microwave Technology Conference (WAMICON)*, 2015 IEEE 16th Annual, April 2015

✧ The State Scholarship Fund By China Scholarship Council; Mitsubishi Electric Scholarship; Voluntary Service Scholarship and Culture & Sports Activity Scholarship

✧ Volunteered as National Olympic Committee (NOC) Assistant in the 2nd Asian Youth Games; Worked at Southeast University Model United Nations (MUN) Association and International Students Association

✧ Interests: Piano, Dancing, Swimming, Basketball, League of Legends