# Kay Wu


## ADDRESS

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## EDUCATION

School of Electric Engineering, Beijing University of Posts and Telecommunications (BUPT)
Bachelor of engineering: Electronic Information Science and Technology
Cumulative GPA: 3.4 • Average Score: 86.1 • Ranking: 15/115(final), 27/270
GRE: 328(V 158, Q 170) AW 4 •TOEFL: 106(Reading 29, Listening 26, Speaking 22, Writing 29)
Second-class scholarship, first-class scholarship, BUPT Oct. 2011, 2012, 2013

## PROJECTS

**Classroom Seats Inquiry System - Embedded System Design class** Mar. 2013 - May. 2013

This was designed to help students find available seats by real-time recording number of people with sensors, updating data on server via wireless network (incomplete), and fetching data with a mobile app.

- Independently developed a mobile app, established a database server.
- Worked on presentation materials from scratch, made a presentation to the class.

**Wi-Fi Based Classroom Interaction System** Sep. 2012 - May. 2013

The system consists of a mobile app and a PC program which can communicate through a Wi-Fi network. Answers submitted by the mobile apps can be analyzed by the PC program to evaluate the performances of students. Questions asked can be viewed and stored instantaneously. It won second place in the award - *The Most Popular Exhibits* - voted by students. Currently being used.

- Independently developed the software system (mobile app & PC program), co-designed UI.
- Made a presentation to a class from a top high school in China (The High School Affiliated to Renmin University of China). Primary presenter of the exhibits.
- Skills include Java network & Swing program, multithread program, Android program.

**Musical robot** Sep. 2011 - May. 2012

This robot is a member of a musical robot band in which each member is capable of playing one instrument. Ours can play violin as well as practice Tai Chi.

- Developed C++ programs to run on Windows CE platform to make the robot practice Tai Chi.

## CONTESTS

**National Undergraduate Electronic Design** Sep. 2013

This is a national contest for circuit design and embedded system development. The development platforms used included SCMs (C8051f, Renesas RL87/G13) and Xilinx FPGA Spartan 6.

- Recipient of Second Prize in Beijing Contest District among 457 teams.
- Skills in SCM programming (serial communication, ADC/DAC, keyboard, LCD display, etc). Solid knowledge of HDL, development experience of FPGA including use of IP cores (e.g. FFT).

**CUMCM, MCM** Sep. 2012, Feb. 2013

I used MATLAB to code and solve mathematical models to evaluate the quality of wines and grapes (CUMCM). In the MCM (optimal shaping and modeling of pans) I constructed one model, wrote codes to solve all models, wrote part of the English essay, and polished the final writing. Recipient of Successful Participant in both contests.