### EDUCATION

**Beijing University of Posts and Telecommunications (BUPT)** *Sep 2013 – Jul 2017(expected)*

•**Major：** Engineering in Information Engineering

• **Academic:** Overall GPA 85 points top 15% of 180

• **Core Courses:** Principles of Communication, Information Theory, Pattern Recognition, Data Structures, Database, Digital Imagine processing,

### PROFESSIONAL SKILLS

**Programming Language**: C/C++, MATLAB, JAVA, R, SQL, Linux/Unix

**Hardware Implementation:** FPGA, Arduino, Verilog, VHDL

**RESEARCH & PROJECT EXPERIENCE**

**Image Segmentation Based on CNN** *Dec 2015 – Present Lab of pattern recognition & intelligent system, BUPT, Supervisor: Prof. Honggang Zhang*

* Make an detailed projection in the theory of deep learning
* Detected the features using new method based on CNN
* Implemented the image segmentation algorithm under the caffe in the Ubuntu

**Design of Information Retrieval Platform Based on Multimedia**  *June 2015 – July 2015*

*Lab of pattern recognition & intelligent system, BUPT, Supervisor: Prof. Guang Chen*

* Using Xapian indexing and retrieva
* Design document parsing program under Linux environment

**Improved Model and Analysis of Plastic Bottle On-off-type Oscillator** *Aug 2015 – Nov 2015*

*School of Information and Communication Engineering, BUPT, Supervisor: Prof. Haihong Li*

* Designed single-bottle/two-bottle oscillator respectively to study coupled phenomena
* Collected the pressure parameter by using Labview-based data collection module; plotted and analyzed the collected data by using Matlab
* Proposed an improved time-dependent equation which showed more consistency to the experimental results compared with previous theory (PHYSICAL REVIEW E 85, 026204 (2012))

**Andrino – Intelligent Trash Can**  *Feb 2015 – May 2015*

*School of Information and Communication Engineering, BUPT, Supervisor: Prof. Yonghua Li*

* Established intelligent trash can system by using Uno mainborad, IR emission detector and buzzer
* Programmed based on Arduino to implement intelligent control according to the principle of trash can
* Used speech recognition in control system