**Xu Si**

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Address: 33 Oxford Street, Cambridge, MA, 02138

**Education**

Harvard University Expected to graduate on Dec. 2017

Candidate for Master of Science in Electrical Engineering

Beijing University of Posts and Telecommunications Graduate on Jul. 2016

Candidate for Bachelor Degree of Engineering

**Academic Experiences**

Moving Behavior Detection and People Recognition Oct. 2016 – Present

* Design a method to detect moving behavior in acceleration signals and realize people recognition
* Implement dynamic time wrapping and matched filter to detect different moving behaviors
* Use PCA and LDA to reduce dimensions and recognize people

Study On Preprocessing of Music Melody Extraction Mar. 2016 – May. 2016

* Created a classification model to detect voice frames in polyphonic music
* Analyzed the discrimination of speech and music signals
* Implemented logistic regression and feature selection from MIRToolbox
* Achieved 78% accuracy on voice detection of 648 music excerpts

Signal Processing and Speaker Recognition based on MATLAB Jul. 2015 – Aug. 2015

* Developed a text-independent speaker recognition project
* Used MFCC features with LBG Vector Quantization
* Achieved 95% accuracy on general speaker recognition of 20 speakers

Intelligent Temperature-Control Compressor Nebulizer System Jul. 2014 – Sep. 2014

Principal Investigator, Group Work Project

* Designed a method to detect and control the aerosols temperature
* Applied statistics and analysis of experimental data to achieve precision control
* Organized all devices with MCU, planned circuits welding and modification
* Perfectly produced the constant temperature aerosols for health care use

**Working Experiences**

System Testing Engineer, China Telecom (Macau) Company Limited Jul. 2015 – Aug. 2015

Internship, Full-Time, Network Department

* Conducted testing on 3G/4G networks and telecommunications links
* Researched on CDMA, FFD-LTE network architecture, performed preventive maintenance, monitoring operation and technical requirements for server room modifications
* Investigated the user complains’ database to identify complaints and assessed their needs

**Social Experiences**

Volunteered at Beijing Hongdandan Education & Culture Exchange Center Apr. 2014 – Jun. 2015

Volunteered at Global Mobile Internet Conference (GMIC) Beijing Apr. 2013 – May. 2013