XIAN "LISA" WU

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EDUCATION

- **Georgia Institute of Technology** December 2016
  M.S. in Electrical and Computer Engineering GPA 4.0
- **Beijing University of Posts and Telecommunications (BUPT)** 09/2011–
  B.E. in Communication Engineering 07/2015
  GPA 90.8/100 Ranked 12 amount 591 students

SKILLS

- **Software:** C/C++(STL, MPI, Pthread, OpenGL), GPU(CUDA), Java(JSP), PHP, SQL, Linux kernel(JOS), 8086/8088 Assembly, Matlab
- **Hardware:** VHDL, Digital Circuit Design
- **Focuses**: System & Architecture
- **Courses:** ECE6122 Adv. Programming Techniques, CS 6235 Real-time System, CS3210 Operating System, ECE6100 Adv. Computer Architecture, CSE6220 High Performance Computing

RESEARCH PROJECT

Smart Pet Feeder (Embedded & PHP-mySQL) Fall 2015

Real-time System CS6235, Georgia Institute of Technology

- Did Reverse engineering on a candy dispenser, figure out the hardware inside;
- Added a Particle micro-controller with wifi function to the machine and programed it to be able to automatically feed the dog with certain frequency and food amount;
- Keep the information of users' dogs, dog food of some popular brands and the healthy feeding pattern for dogs of different breeds at different age in a mySQL database;
- Made a PHP website on the server on which the user can access data for their dogs and set the machine to feed in a proper way;

Sentiment Classification of Chinese Reviews (NLP & JSP development) Summer 2014

Department of Electrical Engineering, Tsinghua University

- Made a Java program for sentiment classification of Chinese reviews grabbed from Weibo (Twitter in China);
- Have the sentiment word lexicon stored in mySQL database on a lab server for reference;
- Implemented a JSP website on the server to facilitate the user;

COURSE PROJECT

Image registration GUI using log-polar FT based method Fall 2015
Mandelbrot graph with cuda for multithread programing and OpenGL for drawing Fall 2015
Using MPI C++ library and Pthread C library to compute the 2D-DFT Fall 2015
Using Pthread C library to implement CPU scheduling algorithoms Fall 2015
A JSP website with message posting and group chat functions for guests Summer 2014
A maze game machine by VHDL programming on the MAX II dev-board Fall 2013

COMPETITION AWARDS

Third Prize, Beijing Advanced Math Contest for Undergraduate Students 11/2013
Second Prize, China National Physics Contest for Undergraduate Students 12/2012