Junjie ZHU

E: junjiezhunyit@163.com P: 929-374-6963 Add: 350 West 88th street , Apartment #508, New York, NY, 10024, US

Education Background

New York Institute of Technology (NYIT) **09/2016-05/2017**
BS in Electrical and Computer Engineering (Expected on 06/2017)

Nanjing University of Posts and Telecommunications (NUPT) **09/2013-06/2016**
BE in Communication Engineering (Expected on 06/2017)

Research Experience

Sensor Design (in progress), NYIT, *Advisor Prof. Nabi Sertac Artan* **09/2016-Present**

- Collected data of gesture control to receive the command from people, and searched different functions and the parameters of sensors online to get the most suitable sensors
- Programmed all the sensors and motors by using arduino development environment and language
- Transformed the data collected by sensors to binary file and sent feedback to the motors, so the table could move to people who gave gesture command and adjust to the appropriateheight
- Planned to use 3D printer to construct the components of the table and sensors

Control LED with MSP430F149 & Y-56 Sound Sensor, NUPT, *Advisor Prof. Rishabh Dudheria* **03/2016-06/2016**

- Led a team of 4 and in charge of writing and testing the code of voice recognition module
- Programmed MSP430 SCM and Y-56 sound sensor by C to control LED
- Imported the code into chip by using MSPFet in IAR Embedded Workbench development environment

Course Design of Servo Control, NUPT, *Advisor Prof. Zhenmeng Jin* **03/2016-04/2016**

- Wrote VHDL code by using Quartus II software, simulated the program by Modelsim and captured the simulation waveform
- Put up the route on Altera DE2 Development Board, downloaded the code and tested the servo
- Verified that when the switch was up, the servo moved all the way in one direction; and when the switch is pushed down, the servo moved all the way in the opposite direction

Experiment Design of Matlab, NUPT, *Advisor Prof. Zhixin Li* **01/2015-02/2015**

- Imported the series by using Matlab, and applied drawing statement to draw the scatter diagram
- Calculated the extremity of this series, and verified the computing results by limit statement
- Confirmed the existence of the extremity of this series and the convergence degree of this series

Extracurricular Activity

Open House for Freshmen Orientation **08/2015**

- Organized some activities for freshmen with teamwork, and coordinated with different schools to arrange the preparation including budget, place, and programs

Computer Skills

Java, Matlab, C, Assembly Language, Quartus II