**Resume**

**EDUCATIONAL BACKGROUND**

**New York Tandon School of Engineering –** New York, NY

**Master of Electrical Engineering**  Expected May 2020

**Shandong University** -Jinan, China

**Bachelor of Communication Engineering**  September 2014- June 2018

* GPA: 3.34/4.00
* Awards & Honors: Shandong University Excellent Reporter (2015), Excellent Practical Experience (2015), Second Prize, Shandong University chorus competition (2015)

**RESEARCH & DESIGN EXPERIENCE**

**Shandong University Facial Expression Recognition Research Project**-Jinan, China April 2016-May 2016

* Utilized Matlab and C# to achieve binary image processing and selected feature points
* Used video processing software to obtain aligned RGB color image and transformed it into black-and white image
* Scanned resolutions on the image and used T pixel value as the standard to distinguish white and black

**Shandong University Component Identification Research Project**-Jinan, China May 2016-June 2016

* Aimed to identify the type and number of components in the image by using Matlab
* Used the method based on the mean distance of the core to obtain N value
* Identified the obtained component by distinguishing its features
* Extracted the component location as well as starting the separation and identification process

**The Design of 2fsk Communication System**-Jinan, China March 2017-July 2017

* Determined the device specification and utilized Mulitisim to perform simulation and modification
* Used signal generator to produce signals and displayed with the oscilloscope
* Analyzed the procedures and wrote an experimental report based on the result

**The Design of Traffic Light Controlling System**-Jinan, China August 2017-February 2017

* Imputed the code into STC89C51 microcontroller and determined traffic flow with ultrasonic sensor
* Programmed the algorithm to determine the signal received to distinguish the type of cars

**INTERNSHIP EXPERIENCE**

**China Unicom, Jining Branch**-Jinan, China February 2015-March 2015

* Assisted senior employees with the collection of business data of primary business halls
* Increased the usage of digital TV in rural areas by setting up communication systems in home
* Familiarized with other departments within the company and took a tour to the base stations

**ZTE Corporation Training Camp**-Yantai, China July 2017-August 2017

* Familiarized the uses of optical fiber communications switcher in the communication system
* Wrote weekly work report and sent to supervisors for evaluation

**COMPETITION EXPERIENCE**

**“Hongjing” Cup Microcontroller Designing Competition**-Jinan, China June 2015

* Designed a intelligent home system based on STC89C51 Microcontroller

**Shandong University Undergraduate Mathematical Contest in Modeling**-Jinan, China August 2015

**The Chinese Mathematics Competition (CMC)**- Jinan, China October 2016

**SKILLS**

Languages: Chinese (Native); English (Fluent)

Computer Skills: MS Office Suite, C, C++, C#, Matlab , Python, Keil, Mulitism