Jiayi Wei

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Education

Beijing University of Posts and Telecommunications   Expected to graduate on Mar. 2019

Candidate for Master of Science in Electrical Engineering

Beijing University of Posts and Telecommunications   Graduated on Jul. 2016

Candidate for Bachelor Degree of Engineering

Academic Experiences

Video Face Recognition based on Deep Learning   Mar. 2016 – May. 2016

- Completed a demo which can show the the identified face appearing in the demo video
- Designed a convoluted neural network for face recognition
- Trained CNN and adjusted parameters on the Caffe, with CASIA Webface database
- Got a further understanding of the implications kinds of layers in CNN
- Achieved 96% accuracy on face recognition and the demo performance well

Handwritten Fuzzy Numeric Characters Recognition   Apr. 2015 – Jun. 2015

- Build a model which can figure out the fuzzy number in pictures
- Selected the EM algorithm to complete the recognition work considering about the features of numeric characters
- Completed the designed content using C++
- Achieved 93% average accuracy in the different character images

Voice Control Intelligent Home System based on Andriod phone   Jul. 2014 – Sep. 2014

Principal Hardware Engineer, Group Work Project

- Understood the principle of infrared remote control
- Collected and analyzed single of various remote control
- Used Ardunio platform to communicate with phone by connecting wifi
- Built a control system with multi-chip Ardunio platform to achieve control home appliances

Working Experiences

Computer Vision Engineer, Samsung Research(Beijing)   Aug. 2016 – Dec. 2016

Internship, Computer Vision Team

- Participated in lane detection project implementation
- Optimized algorithm performance and reduce detection time

Social Experiences

Volunteered at National Library of China Reader Service Center   Sep. 2014 – Jan. 2014