# WEIZHAO LU

8615625781409 | z_weizhao@163.com
Dongguan, Guangdong Prov.

## EDUCATION

**Dongguan University of Technology**                Sep 2016  - Jun 2020

Network Engineering Bachelor                          Dongguan, Guangdong

- GPA: 3.4/4    Major rank: 2.5% top

## PROFESSIONAL EXPERIENCE

**SF Technology CO., LTD**                                        Feb 2019

AI-Computer Vision Department                          Shenzhen, Guangdong

**SAMSUNG DISPLAY DONGGUAN**                                       Jul 2020

Data Analysis Center                                  Dongguan, Guangdong

## RESEARCH&PROJECT EXPERIENCE

**Lab In University**

- Parallel K-means Clustering Based on MapReduce
- Thesis：《Deep Reinforcement Learning on Resource Management》

**SF Tech-Behavior Detection of Violent Sorting(participant)**

- This project aims to detect the violent sorting behavior of sorter in the transit field in real-time, mainly using the yolov3 convolutional neural network and Caffe deep learning framework. In this project, I mainly focus on developing python scripts, writing C++ modules, and optimizing the neural network model.

**SF Tech-Object Detection(independent)**

- The project built a convolutional neural network model to detect the SF logo in a large number of videos from the cloud platform. And then blurred the ROI with OpenCV and delivered it to the data buyer. The project uses the darknet for the secondary development of c++. It took two and a half months, most of the work was independently responsible for me.

**SAMSUNG-Risk Real-time Analysis System(participant)**

- The system includes modules like real-time monitoring, risk predicting, risk processing, and risk analysis. It involves popular data mining algorithms such as clustering, classification, regression, association analysis, and anomaly detection. Developing algorithms on real-time monitoring and risk association analysis is my main work.

**SAMSUNG-Anomaly Detection-Bernaola-Galvan algorithm  (leader)**

- This project aims to detect abrupt changes based on the Bernaola-Galvan algorithm in real-time. I am paly a leadership role in this project team of five people. The algorithm has already passed our verification application and is currently in development.

## SKILLS LIST

- Java, C++, Python to develop a project
- DNN, CNN and Deep Reinforcement Learning
- Data analysis and Data mining
- Hadoop to process large datasets
- Mathematical ability to optimize algorithm

## HONORS & AWARDS

The First Prize Scholarship

National Encouragement Scholarship

Model Student of Academic Records

Huawei Certification of Routing&Switching

Intermediate Certificate of Sofaware Designer

Samsung Excellent Engineer