FIRST LAST

Address...
phone number ⋄ email

EDUCATION

c University *New York, NY*
Master of Science in Electrical Engineering(GPA: 3.80/4.00) *Expected Dec 2019*
Relevant Coursework: Algorithms, Computer Networks, Databases, Deep Learning, Cloud Computing & Big Data, Machine Learning, Natural Language Processing, Reinforcement Learning, Large Data Stream Processing

Z University *Hangzhou, CN*
Bachelor of Engineering in Electrical Engineering(GPA: 3.72/4.00) *Sep 2014 - Jun 2018*

TECHNICAL SKILLS

Programming Languages	Python, Java, C, R, SQL, HTML5, CSS
Software & Tools	AWS, TensorFlow, Spark, Latex
Modeling & Analysis	MATLAB, MLLib, Multisim, Cadence

WORK EXPERIENCE

? company Los Angeles, CA
Data Science Intern *Jun 2019 - Aug 2019*

- Investigated company's online news taxonomy misclassification problem caused by using (??)
- Visualized term frequency and entity count results of 30 days' data for each publisher using Matplotlib
- Built a Weka crawling issue classifier (Accuracy: 98%) on Java platform to identify taxonomy misclassification
- Implemented a scalable Multilayer perceptron framework(trained by BERT embeddings) using Spark MLLib
- Tested the framework's accuracy, speed, scalability in K8s, deployed it in production and used by the team

PROJECT EXPERIENCE

Web Application Design Using Amazon Web Service New York, NY
Course Project of Cloud Computing and Big Data, C University *Sep 2018 - Dec 2018*

- Used HTML, CSS and JavaScript to build a complete web application frontend
- Created AWS lambda Cognito User Pool to manage users' information and authentication to this web application
- Implement an efficient music storage, search, comment and recommendation web application backend using AWS S3, Rekognition, Elasticsearch and DynamoDB
- Built a chatbot collecting user preference for better user experience using AWS Lex and Lambda

Real-Time Twitter Sentiment Analysis Using Spark Streaming New York, NY
Course Project of Large Data Stream Processing, C University *Feb 2019 - May 2019*

- Established TCP connection to fetch byte stream content from Twitter API
- Processed the Dstream using Spark Streaming and did sentiment analysis on each tweet using Textblob
- Used Spark SQL to store the processing sentiment results in SQLContext for future structured data processing
- Predicted future sentiment trend based on the past 10 minutes' results by linear regression

Object Detection with Convolutional Neural Network and Deep Learning New York, NY
Course Project of Reinforcement Learning, C University *Sep 2018 - Dec 2018*

- Adopted Image-Zooms model in convolutional neural network to fetch the image features
- Built deep Q learning models using TensorFlow2.0: Hierarchical and Bounding Box Transfer Model
- Trained the models for 'bird' class on VOC 2012 'trainval' dataset for 30 epochs on GPU

Cost-Sensitive Classification in Biomedical and Informational Field New York, NY
Course Project of Machine Learning, C University *Sep 2018 - Dec 2018*

- Used R language to reproduce result of a paper solving the problem of Cost-Sensitive Classification
- Implemented a bunch of classification algorithms and compared their performance in minimizing the cost, inspired by the Forward Subset Selection of Linear Regression
- Proposed more advanced algorithms and discussed the extension of Decision Tree and Neural Network