

Guoqing LUO

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No.299, Bayi Road, Wuhan University, Wuhan,430072,China

EDUCATION

Wuhan University	Wuhan, China	09/2017—now
Bachelor of Engineering, Computer Science and Technology, School of Computer Science		Expected 2021
General GPA:3.75/4.00 Age:20		
Grade: Junior English Level:CET-4: 632 TOEFL:103		

RESEARCH EXPERIENCE

School of Computer Science, Wuhan University	02/2018---02/2019
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Project: Human Traffic Monitoring Based on Deep Learning and Video Analysis (team leader)

Funded by *University Students' Innovation and Entrepreneurship Contest Program*

Advisor: Associate Professor **Qin ZOU**

- Collect numerical sample data and use TensorFlow API to construct a CNN deep learning model.
- Input collected sample data into CNN for feature extraction, and after pooling procedure, input features extracted by convolutional layer into RNN and output the results of classifier, train and improve the model with big data.

School of Computer Science, Wuhan University

12/2019---now

Project:RDSGAN: Rank-based Generative Adversarial Training for Distant Supervision Relation Extraction (ongoing)

Advisor: Professor **Min Peng**

- A system which can generate valid instances for distant supervised relation extraction
- To address the false positive problem, the method learns the distribution of true positive instances and then generate valid instances, instead of directly using soft attention, which can generate massive valid instances according to the given triplet.
- Experimental results on the widely used NYT dataset show that our model, generating massive valid instances according to a given triplet, achieves state-of-art performance in relation extraction compared with baselines.

PROGRAM EXPERIENCE

Harvard University Summer School Program

Boston,America

Summer School Student

07/2018---08/2018

- Learnt the course called “Developing Cross-Platform Mobile Apps With Xamarin” for 36 units.
- Successfully completed individual programming project using both C# and Xamarin to create an app for the usage of local transportation,gave the final presentation of my work and got an A.

Shenzhen Sunline Tech Co., LTD Internship

Shenzhen, China

Intern Software Engineer

07/2019---08/2019

- Learnt about data mining, knowledge graph, data visualization, Louvain Algorithm and web crawler.
- Used Python to crawl data of a big community and the relationships between each two people and organized all the data into a form of undirected graph using Louvain Algorithm.
- Used Networkx Python and neo4j to visualize relationships among bank staff and used PageRank Algorithm to find and output the data of the most important persons in the big community.

HONORS & SCHOLARSHIPS

Excellent Student Scholarship (Rank:25/367), Wuhan University in 2017-2018

Excellent Student Scholarship (Rank:18/367), Wuhan University in 2018-2019

Second Prize of National Award (Top 5% of 42992 teams), China Undergraduate Mathematical Contest in Modeling in 2019

First Prize(Top 3%), Translation&Interpreting Contest of Hubei Province in 2020

Honorable Mention, ICM of Consortium for Mathematics and Its Applications in 2020

PROFICIENCY

Deep Learning Framework: Pytorch/Tensorflow/Keras

Programming: Python, C++, C, C#, MATLAB, Lingo

Languages: Mandarin, English