

Guoqing LUO

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

EDUCATION

Wuhan University	09/2017—now
Bachelor of Engineering, Computer Science and Technology, School of Computer Science	Expected 2021
English Level: CET-4: 632 TOEFL:103 GRE:320+3.5	
General GPA: Grade: Junior	

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** (PI)

- 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.

WHU NLP Lab, Wuhan University	12/2019--06/2020
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RDSGAN: Rank-based Distant Supervision Relation Extraction with Generative Adversarial Framework (in submission)

Advisor: Professor **Min PENG** (PI)

- A novel generative neural framework which learns the distribution of true positive instances and automatically generates massive valid instances to provide a clean dataset for distant supervision relation extraction.
- Firstly, we train the discriminator to learn the distribution of true positive instances excluding false positive instances via adversarial training, then the generator is trained to generate instances more similar to real ones.
- Secondly, we rank all the instances in a sentence bag and select instances conforming to the distribution of true positive instances via rank-based distant supervision, which addresses the false positive problem.

StatNLP, Singapore, Singapore University of Technology and Design	06/2020---now
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Dynamic Latent Structures for Real-Time Dialogue-Based Relation Extraction (ongoing)

Advisor: Associate Professor **Wei LU** (PI)

- Extract temporal information and dynamic latent structure based on EvolveGCN network.
- Collect numerous datasets of dialogues like Doctor-patient dialogue, Dialogues from TV series, process data into the form of short conversation to deal with the problem of temporal drift.

PROGRAM EXPERIENCE

Harvard University Summer School Program	Boston, America
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Summer School Student	07/2018--08/2018
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- Learn “Developing Cross-Platform Mobile Apps With Xamarin” for 36 units.
- Successfully complete individual programming project using both C# and Xamarin to create an app for the usage of local transportation, give the final presentation of my work and get an A.

Shenzhen Sunline Tech Co., LTD Internship	Shenzhen, China
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Intern Software Engineer	07/2018--08/2018
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- Learn knowledge about knowledge graph, data visualization, Louvain Algorithm and web crawler.
- Use Python to crawl data of a big community and the relationships between each two people, organize all the data into a form of undirected graph using Louvain Algorithm.
- Use Networkx Python and neo4j to visualize relationships among bank staff, use PageRank Algorithm to find and output the data of the most important persons in the big community.

HONORS & SCHOLARSHIPS

<i>Excellent Student Scholarship (Rank: 25/367), Wuhan University</i>	07/2018
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<i>Excellent Student Scholarship (Rank: 18/367), Wuhan University</i>	10/2019
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<i>National Second Prize (Top 5% of 42992 teams), China Undergraduate Mathematical Contest in Modeling</i>	11/2019
<i>First Prize (Top 3%), Translation & Interpreting Contest of Hubei Province</i>	04/2020
<i>Honorable Mention, ICM of Consortium for Mathematics and Its Applications</i>	04/2020
<i>S. I. Komarova Scholarship for academic excellence, Valeon Scholarship program</i>	07/2020

PROFICIENCY

Deep Learning Framework: Pytorch / Keras

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



武汉大学学生成绩单

Wuhan University Student's Transcript

姓名: 罗国庆

学号: 2017301500239

学院: 计算机学院

专业: 计算机科学与技术

学制: 4 年

Name: GUOQING LUO Number: 2017301500239 College: School of Computer Specialty: Computer Science and Technology Schooling Length: four years

学年学期 School year	课程名称 Course	课类 Course Sort	学分 Credit	成绩 Grade	成绩 Note	学年学期 School year	课程名称 Course	课类 Course Sort	学分 Credit	成绩 Grade	成绩 Note
2017-2018 1st Term	计算机导论 Introduction to Computer Science	F	3	80		2018-2019 2nd Term	模式识别 Pattern Recognition	C	2	89	
	高等数学B1 Advanced Mathematics B1	R	5	87			社会心理学 Social Psychology	R	3	88	
	电路与电子技术实验 Experiment of Electric Circuit and Electronic Technology	R	0.5	87			大学英语5 College English (5)	R	2	87	
	信息安全导论 Introduction To Information Security	C	1	90			微计算机系统与接口技术 Microcomputer System and Interface Technology	R	4	82	
	电路与电子技术 Electric Circuit and Electronic Technology	R	4	92			组合数学 Combinatorial Mathematics	C	3	82	
	大学英语2 College English (2)	R	3	88			C#程序设计 C# Programming	C	3	87	
	中国近现代史纲要 Essentials of Modern and Contemporary Chinese History	R	2	89			网球 Tennis	F	2	97	
	思想道德修养与法律基础 Ideological and Moral Cultivation and Fundamentals of Law	R	3	90			人工智能引论 Introduction to Artificial Intelligence	C	2	90	
	军事理论 Military Theory	R	1	95			数据库原理 The Principles of Database	R	3	85	
	篮球 (初级) Basketball (1)	R	1	100			操作系统原理 The Principles of Operating System	R	3	87	
2017-2018 2nd Term	高等数学B2 Advanced Mathematics B2	R	5	77		2018-2019 3rd Term	微计算机系统与接口技术实验 Experiment of Microcomputer System and Interface Technology	R	0.5	86	
	数字逻辑 Digital Logic	R	3	96			视觉艺术与设计 Visual Art and Design	F	1	99	
	马克思主义基本原理概论 Introduction to The Basic Principle of Marxism	R	3	92			计算机网络与通信原理 Principle of Computer Network and Communication	R	3	89	
	激光加工技术 Laser Beam Machining	F	1.5	95			计算机安全保密 Computer Security	C	2	83	
	大学英语3 College English (3)	R	3	88			水力发电工程概论 Introduction to Hydroelectric Generation Engineering	F	1	92	
	线性代数B Linear Algebra(B)	R	3	95			计算机体系结构 Computer Architecture	R	2	91	
	篮球 (高级) Basketball (2)	R	1	98			编译原理 Principles of Compiler	R	3	87	
	高级语言程序设计 A Advanced Programming Language	R	4	76			Linux原理与应用 Linux Principle and Application	C	3	85	
	形势与政策2 Situation and Policy (2)	R	0.5	91			大型应用软件设计 Design of Large Applied Software	R	1	90	
	龙舟运动 Dragon Boat Sport	F	2	93			毛泽东思想和中国特色社会主义理论体系概论 Introduction to Mao Zedong Thought and Theoretical System of Socialism With Chinese Characteristics		5	91	
2018-2019 1st Term	人类与微生物 Human and Microbes	F	1	90		2019-2020 1st Term	操作系统设计 Operating System Design	R	1	90	
	创新思维与方法 Creative Thinking and Innovation Method	F	1	93			计算机图形学 Computer Graphics	C	4	96	
	数控加工技术 Numerical Control Machining Technology	F	1.5	96			以下空白 / The End				
	新能源系统综合实验 Experiment of New Energy System	F	1	98							
	概率论与数理统计B Probability Theory and Statistics(B)	R	3	88							
	音乐欣赏 Enjoy Classical Music	F	2	90							
	大学英语4 College English (4)	R	3	93							
	网球 (初级) Tennis (1)	R	1	96							
	离散数学 Discrete Mathematics	R	3	95							
	数字逻辑实验 Experiment of Digital Logic	R	1	92							
2018-2019 2nd Term	计算机组成原理 The Principle of Computer Organization	R	4	83							
	C++程序设计 C++ Programming	C	3	85							
	数据结构 Data Structure	R	4	92							
	数据结构教学实验 Teaching Experiment of Data Structure	R	1	92							
	大学生创业 College Students Entrepreneurship	F	1	98							
	计算机组成原理实验 Experiment of the Principle of Computer Organization	R	1	88							
	EDA及应用 EDA and Application	C	3	88							
	网球 (高级) Tennis (2)	R	1	95							
	形势与政策 Situation and Policy	R	2	93							
	汽车概论 Introduction to Automobile	F	2	93							
2018-2019 2nd Term	高级语言程序设计实验 Experiment of Advanced Programming Language	R	1	94							

课程类别 Course sort: (R) 必修课 Required Course; (C) 限制选修课 Controlled Elective Course; (F) 任选课 Free Elective Course; (SE) 辅修 Supplementary Exam; (RT) 重修 Retake.
The transcript includes all the previous grades you have earned. Your final score will be recorded in official transcript.

Website: <http://dean.whu.edu.cn> Email: bzzx@whu.edu.cn Tel: 0086-27-68774346

日期/Date: 2020-03- Wuhan University

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本科生院院长: 张绍东

Dean: Zhang Shaodong