

Xuemin Duan

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EDUCATION AND EXPERIENCE

University of Copenhagen

Master of Science in IT and Cognition

Copenhagen, Denmark

Aug 2020 - current

Zhengzhou University

Bachelor of Engineering in Computer Science and Technology

Zhengzhou, China

Aug 2016 - May 2020

Chinese Academy of Sciences

Intern, Algorithm Technology Research Department, Institute of Electronics

Suzhou, China

Jul 2019 - Sep 2019

- Participated in the construction of Important People Knowledge Graph

Peng Cheng Laboratory

Intern, Smart Medical Research Group, Artificial Intelligence Research Center

Shenzhen, China

Feb 2019 - Mar 2019

- Participated in the construction of Obstetric Medical Knowledge Graph

Natural Language Processing Laboratory of Zhengzhou University

Part-time Research Assistant

Zhengzhou, China

Sep 2018 - Jun 2020

- Participated in the Construction of Chinese Medical Knowledge Graph (CMeKG) (National Natural Science Foundation of China)

PUBLICATIONS

- 1 **Xuemin Duan**, Zan Hongying, Xiaojing Bai, and Christoph Zähler. Reusable Phrase Extraction Based on Syntactic Parsing. Proceedings of the 19th Chinese National Conference on Computational Linguistics (CCL), 2020.
- 2 Kunli Zhang, Chuang Liu, **Xuemin Duan**, Lijuan Zhou, Yueshu Zhao, and Hongying Zan. BERT with Enhanced Layer for Assistant Diagnosis Based on Chinese Obstetric EMRs. International Conference on Asian Language Processing (IALP), 2019.
- 3 Tongfeng Guan, Kunli Zhang, **Xuemin Duan**, Hongying Zan, and Zhifang Sui. Construction of the Dictionary of Commonly Used Verbal Semantic Frameworks in Modern Chinese. Chinese Lexical Semantics Workshop (CLSW), 2019.
- 4 Hongying Zan, Chuang Liu, **Xuemin Duan**, Kunli Zhang, and Yingjie Han. TG network: a model that more effectively identifies the use of the auxiliary word “DE”. Chinese Lexical Semantics Workshop (CLSW), 2019.

CONFERENCE PRESENTATIONS

- Proceedings of the 19th Chinese National Conference on Computational Linguistics (CCL), 2020
- International Conference on Asian Language Processing (IALP), 2019

BACHELOR THESIS

Assisted Reading and Writing Algorithms of English Academic Papers | Undergraduate Honors Thesis

- Automated Essay Scoring
- Syntax Parsing

RELATED COURSES

Language Processing, Introduction to Data Science, Neural Information Retrieval, Vision and Image Processing, Data Structure, Scientific Programming, C Programming, Object-oriented Principle and Language(C++), Operating System, Assembly Language, Algorithm Design and Analysis, Design of Database System, Mobile programming, Calculus, Linear Algebra, Dispersive Mathematics, Numerical Mathematics, Probability Theory and Mathematical Statistics, etc.

PROJECTS

Automatic Text Summarization Python	2021
• Fine-tuning BERT for extractive and abstractive automatic text summarization. (Cooperating with INFOMEDIA)	
Authorship Verification Task Python	2021
• Deciding whether two texts have been written by the same author based on comparing the texts' writing styles	
Character Emotion Recognition Based on Multi-Modality Approach Python	2021
• Proposed two multi-modal approaches for automatic emotion recognition in characters through the combination of image and scripts	
China Data Science Job Analysis Project Java	2019
• Analyze the salary, number of positions and recruitment requirements of data science jobs in different cities in China using Hadoop	
Robot Laboratory Clock-in Application Java	2019
• Developed an android robot laboratory clock-in application in a course assignment	
Student Management System JavaScript	2019
• Developed a student management system web application in a course assignment	
Self-service parking management system C++	2018
• Developed a self-service parking management system in a course assignment	

HONORS, AWARDS, AND SCHOLARSHIPS

1 Undergraduate Honors Thesis	2020
2 Engineering Practice Scholarship offered by Yisheng Company	2019
3 Merit Student, Zhengzhou University	2017,2018,2019
4 Advanced Individual of Social Practice	2019
5 Excellent Student Cadre	2019
6 2nd Prize University Level Scholarship	2019
7 1st Prize of Contemporary Undergraduate Mathematical Contest in Modeling (Henan contest)	2018
8 3rd Prize University Level Scholarship	2018
9 2nd Prize of China College Students' Entrepreneurship Competition, Zhengzhou University	2018
10 2nd Prize of Radio Direction Finding Contest, Zhengzhou University	2018
11 3rd Prize of China 'Internet+' College Students Innovation and Entrepreneurship Competition, Zhengzhou University	2018
12 1st Prize of China College Students' Entrepreneurship Competition in School of Information Engineering	2017
13 Excellence of "Xing Tang Cup" Internet Web Design Competition	2017

OTHERS

- Programming language: Python, C/C++, SQL, Java, JavaScript
- Language: Chinese, English, German (basic)