Xueqiang Wang

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EDUCATION

09/2019~06/2023	**Chongqing University of Technology, School of Artificial Intelligence**
	Computer Science, Bachelor of Engineering
	Core modules: Machine learning, Data Mining, Big Data Storage and Processing

PROJECT/RESEARCH EXPERIENCE

07/2023~Present	**MiSleep - A python package for sleep signal data processing**
	➢ Built a GUI for data visualization, annotation and processing
	➢ Applied machine learning for sleep auto staging and event detection
08/2022~03/2023	**AI Writing System of China Mobile Research Institute (NLG and Text Retrieval)**
	➢ Improved SimHash retrieval method
	➢ Built an inverted index and SimHash two-layer text retrieval model
	➢ Implemented extractive writing function
	➢ Constructed an AI writing system by combining text generation models
09/2021~05/2022	**Text Significant Semantic Representation Method Based on LDA (Text Mining)**
	➢ Extracted significant features from text
	➢ Improved LDA sampling strategy and fused it with significant features
	➢ Fused significant features with Word2Vec
03/2022~05/2022	**Peripheral Demand Graph Analysis under the Context of COVID-19 (Third Prize)**
	➢ Built a text similarity model for text classification
	➢ Developed a multi-dimensional heat evaluation model based on sentiment analysis
	➢ Constructed a local tourism graph of Maoming city
	➢ Proposed tourism development recommendations

WORK EXPERIENCE

07/2023~Present	**Bian Lab of Westlake University, Research Assistant**
	➢ Analyzed signal/video data for sleep research and applied AI methods
08/2022~09/2022	**NIIT Chongqing Internet Institute, Teaching Assistant**
	➢ Taught courses and assisted the instructor
01/2021~06/2023	**Chongqing University of Technology, Natural Language Processing Laboratory**
	➢ Researched text mining, text retrieval and natural language generation
09/2019~06/2021	**Chongqing University of Technology, Vice President of Dragon and Lion Association**

AWARDS

➢ National Third Prize, the 9th Teddy Cup data mining challenge, 2020

➢ National Third Prize, the 10th Teddy Cup data mining challenge, 2021

SKILLS&SELF-EVALUATION

➢ Proficient in Python programming language with good coding habits.

➢ Handle basic brain wave data analysis.

➢ Experienced in fields like machine learning, web crawling, natural language processing, and text mining.

➢ Familiar with Linux system and with knowledge in other languages such as Shell, Java, and SQL.

➢ Diligent and responsible in work, possessing strong teamwork and communication skills.

➢ Quick-thinking, and skilled in independent thinking and problem-solving.

➢ Enthusiastic about sports and travel, optimistic and open-minded, and always willing to explore new things.