

Xueqiang Wang 王学强

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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

- 07/2023~07/2024 **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.