

Chen Chen

Guangzhou, China

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RESEARCH INTERESTS

- I've spent four years of study in the fields of Natural Language Processing and Graph Neural Networks following my research interest
- I've developed a particular interest in Sentiment Analysis and Social Media, on which I've published a SCI-searched paper
- I'd love to advance my understanding of the field further and invest my passion, through PhD study with an expert at a remarkable institution

PUBLICATION

Chen Chen, Mingwei Li, Fenghuan Li, Haopeng Chen and Yuankun Lin. Heterogeneous subgraph network with prompt learning for interpretable depression detection on social media. Knowledge-Based Systems. 2024. Conditionally Accepted. (JCR Q1, IF 8.8)

RESEARCH EXPERIENCE

Laboratory Research

Sep 2020 — Jun 2024

- As a research assistant, I have research experience regarding Sentiment Analysis on Social Media in Graph Neural Networks laboratories at the Guangdong University of Technology, developing in-depth knowledge of literature searching, model optimizing, experimental analyzing, and paper authoring, and producing a journal paper.
- I've written many types of academic research writing, including journal and conference papers, research reports, invention patents (CN 2023101434276, etc.), and software copyrights (CCPC 2022SR0708926, etc.).

Red Bird Challenge Camp

Jun 2023 — Jul 2023

- It was a collaborative team research experience related to motion-assisted at the Hong Kong University of Science and Technology. I was responsible for the research and implementing the sentiment analysis part of the study, utilizing several modules of the large language model such as prompt learning.
- I've presented research via a variety of techniques, including presentations, posters, and videos to several academic groups.

EDUCATION

Guangdong University of Technology, Guangzhou, China (#59 in AI Subject, U.S.News)

Sep 2020 — Jun 2024

- Bachelor of Engineering with a specialty in Artificial Intelligence
- Cumulative GPA: 3.47/4.00 (Top 10 in Major), Last Two Years GPA: 3.86/4.00
- Dissertation Title: Heterogeneous subgraph network with prompt learning for interpretable depression detection on social media (Excellent Bachelor Thesis Scholarship, Top 3% in School)

AWARDS and FUNDING

Scholarship

Sep 2020 — Jun 2024

Multiple scholarships, including National Scholarships, Excellent Student Scholarships, Innovation Scholarships, Excellent Bachelor Thesis Scholarship, etc.

Company-Sponsored Scholarship and Funding

Sep 2020 — May 2023

As a leader, I organized the team to participate in the competition of enterprises and won multiple scholarships and funding, including 37 Interactive Entertainment Ltd. and Guangdong Youxin Foundation, etc.

Coding Competition

Apr 2023

Second Prize of the 14th "LanQiao Cup" National Software and Information Technology Professionals Competition

Algorithm Competition

Apr 2022

Top 5 % (35 / 803) by Individual in the Kaggle Competition "Natural Language Processing of Disaster Tweets"

Volunteer Work

Feb 2021

Provincial Outstanding Volunteer Award for Combating COVID-19 Epidemic

PROFESSIONAL SOCIETY MEMBERSHIP

Graduates Member (NO.U7669G), China Computer Federation

Sep 2021 — Present

INTERNSHIP EXPERIENCE

China Mobile Information Technology Co., Ltd. (FORTUNE GLOBAL 100)

Guangzhou, China

Intern in Artificial Intelligence and Big Data Department

Jun 2023 — Aug 2023

- I deployed ChatGLM2 in real production and optimized prompt words to limit GPU memory usage to less than 2GB for a single model.
- By constructing NL2SQL with ChatSQL, I improved retrieval accuracy to 85%+.

LANGUAGE and SKILLS

- **Language:** IELTS(Academic) - 7.0 (Overall Score)
- **Coding:** Python, C Programming Language, JavaScript, HTML, CSS
- **Computer:** Linux Shell, Matlab, Latex

SELECTED COURSES

Major Courses

- Advanced Machine Learning - 3.8
- Natural Language Processing - 4.0
- Text Information Processing - 3.6
- Recognition of Patterns - 3.9
- Computer Vision - 4.0
- Data Mining - 3.9
- Knowledge Engineering and Knowledge Graph - 3.5

Mathematics Courses

- Numerical Analysis - 3.7
- Optimization Method - 4.0
- Discrete Mathematics - 3.9
- Advanced Mathematics - 3.5
- Linear Algebra - 3.7
- Digital Signal Processing - 4.0
- Theory of Probability and Mathematical Statistics - 4.0

REFERENCES

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