Jiepeng Zhou

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EDUCATION

Jinan University(the top overseas Chinese university in China) Sep.2021-Jun.2025
Bachelor of Network Engineering GPA:3.98/5 RANK: 5%

- **Core courses**: Machine Learning and Neural Networks (99), Software Engineering(98), Data Structure (96), Computer English(97), Network Engineering and Networking Technology(95)

RESEARCH OUTPUT

- **Published a paper** titled "Digital IP Copyright Protection Technology in Alliance Blockchain Environment" in Journal of Communication University of China — The 3rd author — Feb.2022
- **Submitted a paper** titled "A deep authentication technology for long texts based on the BHL model" to Applied Intelligence — The 1st author — Aug.2024
- **One invention patent** about BHL model was accepted — The 1st author — Aug.2024
- **One utility model patent** was accepted — The 3rd author — May.2024
- **Authorize the software copyright** of "AnNing World"(A medical industry web software based springboot) — The 1st author — Apri.2024
- **Authorize the software copyright** of "WordWorld"(A vocabulary memory software based winform) — The 1st author — Jul.2024

RESEARCH EXPERIENCE

Research on A Deep Authentication Technology for Long Ttexts Based on the BHL Model Dec.2023 - Jul.2024
Team Leader

- The BHL model developed in this project aims to solve the problem of distinguishing between human text and generated text when **the number of words exceeds 500.**
- In order to adapt to the long text structure, I found it can achieve better classification results while **using dynamic word vectors**(from Bert Model) to represent different texts and combining the **Hieracy Attention mechanism**. As **LSTM converges** in the last layer, the model learns the characteristics of human long text and generated text better.
- The project **learned other models and coded to compare the performance of models** such as TextCNN, TextRCNN, BiLSTM, Bert_Han, etc. BHL finally achieved an accuracy rate of 97.87%, which is better than other models.

Research on China's End-of-Life Care Policy from the Perspective of Aging Population May.2023-Jun.2024
Core Member

- The project was approved as a national undergraduate innovation and entrepreneurship training program
- To promote the promotion of hospice care, I was responsible for **the construction of this theme website**. In this process, I finally decided to use frameworks such as springboot and vue based on Java.
- In order to obtain sufficient data, I was responsible for the information query of End-of -Life policy and **used the spicy framework to crawl** for further expanding our data.

Reasearch on Digital IP Copyright Protection Technology under Alliance Blockchain Jun.2022-Feb.2023
Core Member

- As digital infringement frequently occur, our team read the literature and found that blockchain can be used to record users' copyrighted works, thereby achieving the purpose of protecting copyright.
- In order to encode the work in the blockchain hash code, our team **wrote code to test** the validity of the generated
- In addition to the thesis summary, I **implemented a communication mechanism** between users when I was responsible for writing a website to implement the author registration function.

COMPETETION ACTIVITY

MCM, Meritorious Mention	National Level	May.2024
ICM, Honorable Mention	National Level	May.2023
2nd Prize, *The National College Mathematics Competition*	National Level	Dec.2023
3rd Prize, *The Asia-Pacific Undergraduate Mathematical Modeling Contest*	National Level	Dec.2022
3rd Prize, *The National College Student Software Testing Competition*	Provincial Level	Dec.2023
3rd Prize, *The Guangdong-Hong Kong-Macao Greater Bay Area Financial Mathematical Modeling Competition*	Provincial Level	Nov.2023

HONORS

- National Scholaship**(Only 10%)** Oct.2024
- Outstanding students of Jinan University Oct.2023
- Excellent student leaders of Jinan University Oct.2022
- Selected into the Excellent Student Training Program of Jinan University**(Only 1%)** Mar.2022

SKILLS

- **Programming languages**: Python ≈ C ++ >> Matlab > Java
- **Frameworks:** Pytorch >> tensorflow > Git, Markdown, LATEX, etc.
- **Background Knowledge:** Basic computer knowledge > DL ≈ NLP > CV
- **Language:** CET-4：624；CET-6：517