Yinyi Wei (韦鉴屹)

Github: https://github.com/Ydongd

Email: wyyy@connect.hku.hk
Mobile: +86-130-0691-0417
+852-9704-7632

EDUCATION

The University of Hong kong Hong Kong, China
Doctor of Philosophy - Construction Engineering and Management *Sep. 2023 - Now*
Research Area: *Smart Construction*

Peking University Beijing, China
Master of Engineering - Software Engineering *Sep. 2020 - Jul. 2023*
Research Area: *Natural Language Understanding*

Peking University Beijing, China
Bachelor of Science - Computer Science and Technology *Sep. 2016 - Jul. 2020*
Research Area: *User Password Understanding and Generation Based on Deep Learning*

EXPERIENCE

Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences Shenzhen, China
Research Assistant *Apr. 2023 - Aug. 2023*

- **Smart Construction**: Research on smart configuration for modular buildings in the context of smart construction with Natural Language Processing techniques.
- **Patent Compiling and Management**: Responsible for compiling and management of patents in the intersection of engineering and artificial intelligence.

Meituan Inc. Beijing, China
Algorithm Developer Intern *Mar. 2022 - Nov. 2022*

- **Event Detection**: Research on event detection in natural language at sentence-level and dialogue-level; Research on enriching contexts of event descriptions through the retrieval-based and generation-based methods.
- **Emotion Recognition in Conversations**: Research on emotion recognition in conversations with contextual information, speaker information and generated conversational knowledge.
- **Food Safety Project**: Involved in the optimization of food safety event detection models over user comments and user-agent conversations, and text classification models over comments and complaints.

Beijing Beida Software Engineering Corp., Ltd. Beijing, China
Algorithm Developer Intern *Jul. 2021 - Mar. 2022*

- **Provincial Petition Intelligent Platform Project**: User petitions pre-processing; Questions recommendation for petition staff; Entity relation extraction on textual information of user petitions.
- **Natural Language Processing Platform Project**: Responsible for constructing and developing entity relation extraction models and sentiment analysis models.
- **Construction of Chinese Petition Information Extraction Dataset**: Responsible for data pre-processing, annotation documentation, annotation platform development and baselines construction.

Nanning Money World Microfinance Corp., Ltd. Nanning, China
Backend Developer Intern *May 2020 - Sep. 2020*

- **Medical Cosmetology Project APP Development**: Involved in the launch and maintenance of the medical cosmetology project application; Responsible for the development of the Risk Control Centre module.

PUBLICATIONS

- **Generation for Configuration: A Conceptual Paradigm of a Natural Language-Based Configurator for Modular Buildings with ChatGPT**. Wei Y, Li X, Wu C, Zahedi A, Guo Y, Yang Z. *The 28th International Symposium on Advancement of Construction Management and Real Estate. 2023.* (Best Paper Award. Oral Presentation.)

- **Exploiting Pseudo Future Contexts for Emotion Recognition in Conversations**. Wei Y, Liu S, Yan H, Ye W, Mo T, Wan G. *The 19th International Conference on Advanced Data Mining and Applications. 2023.* (Oral Presentation.) [Paper Link]

- **DESED: Dialogue-based Explanation for Sentence-level Event Detection**. Wei Y, Liu S, Lv J, Xi X, Yan H, Ye W, Mo T, Yang F, Wan G. *Proceedings of the 29th International Conference on Computational Linguistics. 2022.* (Oral Presentation.) [Paper Link]

- **Eliciting Knowledge from Pretrained Language Models for Prototypical Prompt Verbalizer**. Wei Y, Mo T, Jiang Y, Li W. *The 31st International Conference on Artificial Neural Networks. 2022.* (Oral Presentation.) [Paper Link]

SKILLS SUMMARY

- **Languages**: Python, C/C++, JAVA, SQL, Shell Scripting
- **Libraries&Toolkits**: PyTorch, TensorFlow, LaTeX, Git, Linux
- **English Level**: IELTS Band Score: 7 (Listening: 7, Reading: 8, Writing: 6.5, Speaking: 6.5)