# Yinyi Wei (韦鉴屹)

Github: https://github.com/Ydongd

Email: wyyy@pku.edu.cn
Mobile: +86-130-0691-0417

## EDUCATION

**Peking University** — Beijing, China
*Master of Engineering - Software Engineering; GPA: 3.74 / 4.0* — *Sep. 2020 - Jul. 2023*
**Research Area:** *Natural Language Understanding*

**Peking University** — Beijing, China
*Bachelor of Science - Computer Science and Technology; GPA: 3.42 / 4.0* — *Sep. 2016 - Jul. 2020*
**Research Area:** *User Password Understanding and Generation Based on Deep Learning*

## EXPERIENCE

**Meituan Inc.** — Beijing, China
*Research Intern* — *Mar. 2022 - Present*
- **Event Detection**: Research on event detection at sentence-level and dialogue-level; Research on enriching context of event descriptions through 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.

**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 medical cosmetology project application; Responsible for the development of the Risk Control Centre module.

## PUBLICATIONS

**Accepted:**

- **Eliciting Knowledge from Pretrained Language Models for Prototypical Prompt Verbalizer (ICANN 2022, Long Paper, Oral Presentation, First Author)**: Utilizing prototypical networks and contrastive learning to form a prototypical prompt verbalizer, and proposing a pre-training procedure for zero-shot scenarios.

- **DESED: Dialogue-based Explanation for Sentence-level Event Detection (COLING 2022, Long Paper, Oral Presentation, First Author)**: Enriching contexts of event descriptions with dialogue-based explanations.

**Under Review:**

- **Retrieve and Generate: Enriching Context with Explicit and Implicit Knowledge for Event Detection (Under Review in EMNLP 2022, Short Paper, First Author)**: Taking advantage of retrieval-based method and generation-based method to enhance knowledge of event descriptions for event detection.

- **Exploiting Pseudo Future Contexts for Emotion Recognition in Conversations (Under Review in WSDM 2023, Long Paper, First Author)**: Improving Emotion Recognition in Conversations with historical contexts, historical speaker-specific contexts, and pseudo future contexts.

## PATENTS

- **A Method and Apparatus for Identifying Petitions in Letter Form**: Recognition and pre-processing of different formats of petitions using computer vision and natural language processing methods, and performing a custom user-defined review of their normalization

- **A Method and Apparatus for Evaluating the Manually Extracted Results on Elements of Petitions**: Matching of manually extracted elements with machine-extracted elements using text matching techniques for a petition in order to evaluate the manually extracted results in a uniform manner.

## SKILLS SUMMARY

- **Languages:** Python, C/C++, JAVA, SQL, Shell Scripting
- **Libraries&Toolkits**: PyTorch, TensorFlow, LaTeX, Git, Linux