

PEI CHEN

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EDUCATION

Ph.D. Candidate in Computer Science

2019.8 - now

- Research Areas: Natural Language Processing, especially Information Extraction;
- Research Interests: Fine-grained Opinion Mining, Named Entity Recognition, Event Extraction;
- Overall GPA: 4.0/4.0 till now.

Texas A&M University

MS in Finance

2016.9 – 2018.6

- Thesis: Does News Sentiment Predict the Stock Market? An Example on Chinese Growth Market;
- Received 2017 National Scholarship for Graduate Student;
- Overall GPA: 3.9/5.0, ranking 1/178.

Southwestern University of Finance and Economics

B.Engr. in Simulation Engineering

2010.9 – 2014.6

- Thesis: Analyze the multi-resolution modeling technology of a simulation system;
- Overall GPA 88.61/100, ranking 1/45.

National University of Defense Technology

EXPERIENCE

Amazon Web Services

2022.6 – 2023.1

Applied Scientist (Intern)

Santa Clara, CA

Working on language model pretraining.

Tencent AI Lab

2021.6 – 2021.8

NLP Researcher (Intern)

Seattle, WA

Working on knowledge base completion.

National Lab of Pattern Recognition, Chinese Academy of Sciences

2018.1 – 2019.8

Research Engineer

Beijing, China

Working on event extraction and causality detection from financial domain texts.

Innovation Lab of Global Exchange, State Street

2017.7- 2018.1

Data Analyst (Intern)

Hangzhou, China

Working on data cleaning, analysis, visualization and database construction for innovative financial applications.

PUBLICATIONS

Pei Chen, Wenlin Yao, Hongming Zhang, Xiaoman Pan, Dian Yu, Dong Yu, and Jianshu Chen. “ZeroKBC: A Comprehensive Benchmark for Zero-Shot Knowledge Base Completion.” ICDM-2022, KG workshop.

Pei Chen, Haotian Xu, Cheng Zhang, and Ruihong Huang. “Crossroads, Buildings and Neighborhoods: a Dataset for Fine-grained Location Recognition”. NAACL-2022, long paper, acceptance rate: 21.96%.

Pei Chen, Haibo Ding, Jun Araki, and Ruihong Huang. “[Explicitly Capturing Relations between Entity Mentions via Graph Neural Networks for Domain-specific Named Entity Recognition.](#)” ACL-2021, short paper, acceptance rate: 21.2%.

Pei Chen, Kang Liu, Yubo Chen, Taifeng Wang, and Jun Zhao. “[Probing into the Root: A Dataset for Reason Extraction of Structural Events from Financial Documents.](#)” EACL-2021, short paper, acceptance rate: 24.7%.

Pei Chen, Hang Yang, Kang Liu, Ruihong Huang, Yubo Chen, Taifeng Wang, and Jun Zhao. “[Reconstructing Event Regions for Event Extraction via Graph Attention Networks.](#)” AACL-2020, long paper, acceptance rate: 28.3%.