Yifei Zhou

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EDUCATION

Cornell University   Aug.2020 - May.2024 (Expected)

Bachelor of Arts in Computer Science and Mathematics   Ithaca, NY

- Current GPA: 4.17/4.0
- Pauline and Irvine Tanner Dean's Scholar Scholarship (40/2000+)
- Coursework: Computer Vision, Linear Algebra, Machine Learning, Natural Language Processing, Foundations of RL, Advanced Topics in NLP, Honors Analysis,...
- Machine Learning and Deep Learning certificate in Coursera

EXPERIENCE

Cornell University Artificial Intelligence (CUAI) NLP Team Lead   Sep.2021 - Present

Team Leader   Ithaca, NY

- Elected Co-president for CUAI from June.2022 - June.2023
- Build a robust model for paraphrase identification advised by Dr. Sernam Lim at Meta AI. GAPX: Generalized Autoregressive Paraphrase-identification X.
- Paper with first authorship submission to Neurips.

Cornell CV Teaching Assistant   Jan.2022 - Present

Part-time Academic Teaching Assistant   Ithaca, NY

- Teaching Assitant for CS 4670 Intro to Computer Vision by prof. Bharath Hariharan
- Design and grade assignments.

China Biographical Database (CBDB) NLP Researcher, Harvard   Mar.2021 - Dec.2021

Part-time Researcher   Remote

- Research to exploit transformers to measure the textual similarity between strings.

PROJECTS

Mentored Applied Reinforcement Learning Research   Jan.2021 - Present

Independent Researcher advised by prof. Wen Sun   Ithaca, NY

- Working on theoretically principled methods for imitation learning in vision-language navigation tasks.

Mentored NLP research   May.2021 - Dec.2021

Indepent Research advised by prof. Yansong Feng   Beijing, China

- Worked on multi-level discourse parsing at Peking University
- Propose a novel structure-aware model making use of pretrained transformer language models
- Paper with first authorship accepted at Findings of NAACL 2022.

Leiden Frost Effect (Physics) Research   Jul.2017 - Jun.2019

Independent Research advised by prof. Xiangting Li   Shanghai, China

- Won the second prize of Shanghai Youth Science and Technology Innovation Competition

SKILLS

Languages : English, Chinese
Programming Languages : Python (proficient), Java (proficient), C (intermediate)
Tools : Pytorch, Lightning, Tensorflow, OpenCV, LaTex

Selected Papers

Yifei Zhou, Yansong Feng, "Improve Discourse Dependency Parsing with Contextualized Representations" , Findings of NAACL 2022.