Xiaochen Wang

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RESEARCH INTERESTS

Multimodal Learning, Natural Language Processing, Information Retrieval, Health Informatics

EDUCATION

The Pennsylvania State University
Ph.D. in Information Science and Technology
Aug. 2022 – May. 2027
State College, PA

University of North Carolina at Chapel Hill
M.S. in Information Science
Aug. 2020 – May 2022
Chapel Hill, NC

Central South University
B.E. in Automation (Honors Program)
Sep. 2016 – Jun. 2020
Changsha, China

University of North Carolina at Chapel Hill
Visiting Student, Undergraduate Research Assistant
Jul. 2019 – Aug. 2019
Chapel Hill, NC

EXPERIENCE

Search ML Team, Instacart
Machine Learning Research Intern
May 2023 – Aug. 2023
San Francisco, CA

College of Information Science and Technology, PSU
Graduate Researcher
Aug. 2022 – Now
State College, PA

College of Information Science and Technology, PSU
Graduate Teaching Assistant
Aug. 2022 – Now
State College, PA

Renaissance Computing Institute, UNC
Graduate Research Assistant | Research Specialist
Aug. 2021 – Aug. 2022
Chapel Hill, NC

School of Information and Library Science, UNC
Graduate Research Assistant
Aug. 2020 – Aug. 2021
Chapel Hill, NC

Chinese Academy of Sciences
Research Intern
Sep. 2018 – Oct. 2018
Beijing, China

Central South University
Undergraduate Research Assistant
May 2018 – Dec. 2018
Changsha, China

PUBLICATIONS

Xiaochen Wang, Junyu Luo, Jiaqi Wang, Ziyi Yin, Suhan Cui, Yuan Zhong, Yaqing Wang, Fenglong Ma (2023). *Hierarchical Pretraining on Multimodal Electronic Health Records.* The 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP). Accepted, to appear.

Junyu Luo, Cheng Qian, **Xiaochen Wang**, Lucas Glass and Fenglong Ma (2023). *pADR: Towards Personalized Adverse Drug Reaction Prediction.* In Proceedings of the 32nd ACM International Conference on Information and Knowledge Management (CIKM). Accepted, to appear.

Lei Wang, Jose Luis Ambite, Abhishek M. Appaji, Janine Bijsterbosch, Jérôme Dockès, Rick Herrick, Alex Kogan, Howard M. Lander, Petra Lenzini, Daniel Marcus, Stephen M. Moore, J- B Poline, Arcot Rajasekar, Satya S. Sahoo, Matthew D.

Turner, **Xiaochen Wang**, Yue Wang, Jessica A. Turner(2023). *NeuroBridge: A Prototype Platform for Discovery of The Long-Tail Neuroimaging Data Authors.* Frontiers in Neuroinformatics, 17, 1215261.

Xiaochen Wang, Yue Wang (2022). *Sentence-Level Resampling for Named Entity Recognition.* The 2022 Conference of the North American Chapter of the Association for Computational Linguistics - Human Language Technologies (NAACL) (pp. 2151-2165).

Xiaochen Wang, Yue Wang, José-Luis Ambite, Abhishek Appaji, Howard Lander, Stephen M. Moore, Arcot K. Rajasekar, Jessica A. Turner, Matthew D. Turner, Lei Wang, Satya S. Sahoo (2022). *Enabling Scientific Reproducibility through FAIR Data Management: An ontology-driven deep learning approach in the NeuroBridge Project.* American Medical Informatics Association 2022 Annual Symposium (AMIA) (Vol. 2022, p. 1135).

Jingwen Hou*, **Xiaochen Wang*** [1], Jean-Jacques Dubois, R. Byron Rice, Amanda Haddock, Yue Wang (2022). *Resource: Extreme Systematic Reviews: A Large Literature Screening Dataset to Support Environmental Policymaking.* In Proceedings of the 31st ACM International Conference on Information & Knowledge Management (CIKM) (pp. 4029-4033).

PRE-PRINT

Yuan Zhong, Suhan Cui, Jiaqi Wang, **Xiaochen Wang**, Ziyi Yin, Yaqing Wang, Houping Xiao, Mengdi Huai, Ting Wang, Fenglong Ma (2023). *MedDiffusion: Boosting Health Risk Prediction via Diffusion-based Data Augmentation.* arXiv preprint arXiv:2310.02520.

SERVICE

Reviewer : CIKM 2023

HONORS & AWARDS

SIGIR Student Travel Grant for CIKM

Graduate Programs Travel Award for AMIA

Third Prize in The Ninth HuaweiCup Chinese College Student Intelligent Design Competition

Central South University Academic Scholarship

[1]Equal Contribution