Xiao Song

CONTACT INFORMATION

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RESEARCH INTERESTS

Natural Language Processing and its combination with Computer Vision and Healthcare, including Radiology Report Generation and Image Captioning.

EDUCATION

Beijing University of Technology, Beijing, China. **September 2020 – Present**

- M.Eng, in Computer Science and Technology, GPA: 3.85/4.
- Advisor: Xiaodan Zhang

University of Jinan, Jinan, Shandong, China. **September 2016 – June 2020**

- B.Eng, in Computer Science and Technology, GPA: 3.48/4.
- Advisor: Lixin Du

HONORS AND AWARDS

Academic Excellence Scholarship (Second-Class, Top 10%), Beijing University of Technology, 2020-2021.
Outstanding Graduates of University of Jinan, 2020.
Mathematics Competition of Chinese College Students (First Prize), 2019.

RESEARCH EXPERIMENT

Research Intern, Stanford University. **August 2022 – present**

Advisor: Liangqiong Qu

- Federated Learning on Multi-modality

Postgraduate, Beijing University of Technology. **September 2020 – present**

Advisor: Xiaodan Zhang

- **Xiao Song**, Xiaodan Zhang, Junzhong Ji, Ying Liu, Pengxu Wei. Cross-modal Contrastive Attention Model for Medical Report Generation. In *COLING* Oral. 2022.
- **Xiao Song**, Xiaodan Zhang, Junzhong Ji, Ying Liu. Multi-scale Superpixel based Hierarchical Attention Model for Brain CT Classification. (accepted by ChinaMM2022 and recommended to JVCIR, in reviewing.)
- 冀俊忠(Junzhong Ji), 张梦隆(Menglong Zhang), **宋晓(Xiao Song),** 张晓丹(Xiaodan Zhang). 基于多尺度超像素融合网络的脑 CT 图像分类方法(Multi-scale Superpixel based Fusion Network for Brain CT Classification). (accepted by China Sciencepaper.)
- 张晓丹(Xiaodan Zhang), **宋晓(Xiao Song)**, 冀俊忠(Junzhong Ji). 一种基于跨模态对比注意力机制的医学报告自动生成方法(A Method for Automatic Medical Report Generation based on Cross-modal Contrastive Attention Mechanism). (CN202210563429.6, first trial)

Undergraduate, University of Jinan. **September 2016 – June 2020**

Advisor: Lixin Du

- A class roll call system based on face recognition. (Shandong University Student Artificial Intelligence Competition, Second-Prize, Fourth Place)
- A portal game based on Unity. (Shandong University Student Software Design Competition, Second-Prize)

SKILLS

- Language: Python, C++, C, Latex, PHP, HTML, Java, SQL.
- Deep Learning Frameworks: Pytorch.