Zexuan Meng

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🔖 RESEARCH INTERESTS

Reinforcement Learning, Responsible AI

🎓 EDUCATION

University of North Texas, Denton　　　　　　　　　　　　　　　Aug. 2023 - Present
PhD, Computer Science　　　　　　　　　　　　　　　　　*Expected graduation May 2028*
Advisor: Dr. Yunhe Feng

Northeastern University, Boston　　　　　　　　　　　　　　　Sep. 2021 - May 2023
MS, Computer Vision, Machine Learning

Wuhan University of Science and Technology, Wuhan　　　　　　　Sep. 2017 - June 2021
BS, Software Engineering

💼 PROFESSIONAL EXPERIENCE

Responsible AI Lab　　　　　　　　　　　　　　　　　　　　Denton, TX
Graduate Research Assistant, Reinforcement Learning　　　　　　　Aug. 2023 - present

📕 PUBLICATIONS

1　Yunhe Feng, **Zexuan Meng**, Colton Clemmer, Heng Fan and Yan Huang. Data and Resources Paper: A Multi-granularity Decade-Long Geo-Tagged Twitter Dataset for Spatial Computing. International Conference on Advances in Geographic Information Systems (ACM SIGSPATIAL), 2023

🔖 ACADEMIC PROJECTS

ASL Recognition System: a communication solution for deaf disability　　Jan. 2021 - June 2021

☞ **Highlight:** Award first place among 106 students in software engineering department

⬦ Implemented **YOLOv4** Network with **TensorFlow** and trained a supervised model to classify 26 kinds of hand sign in American Sign Language (ASL)

⬦ Applied **CioU Loss function** for better performance than IoU

⬦ Utilized **Mosaic Augmentation** to complicate the dataset for better training result and optimized learning rate schedule with **Cosine Annealing**

⏳ PROFESSIONAL ACTIVITIES

⬦ **Conference & Journal External Reviewer**

☞ IEEE/CVF Winter Conference on Applications of Computer Vision (WACV)　　2024

☞ Association for the Advancement of Artificial Intelligence (AAAI)　　　　2024

☞ International Journal of Human-Computer Interaction (IJHC)　　　　　　2023

🔧 SKILLS & PROFICIENCY

⬦ **Programming Languages:** Python, Java, R, JavaScript, C, C++, Golang

⬦ **Frameworks & Libraries:** TensorFlow, PyTorch, OpenCV, Spring MVC