Su Wang

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EDUCATION

Xi'an Jiaotong University   09/2020 – 06/2023

Master of Computer Science and Technology | Institute of Artificial Intelligence and Robotics (IAIR)

Xi'an Jiaotong University   09/2016 – 06/2020

Bachelor of Computer Science and Technology | GPA: 3.4/4.0

PUBLICATION (FIRST AND SECOND STU-AUTHOR)

1) **S. Wang**, Y. Li, M. Yang, J. Nie, R. Huang & Y. Liu   *Conference*
   TADP: Task-Aware Deformable Prediction for Single-Stage 3D Object Detection,
   Submitted to **ICRA 2023**, CCF-B & CORE-B.

2) M. Yang, Y. Li, **S. Wang**, S. Yang & Y. Liu   *Conference*
   RITNet: A Rotation Invariant Transformer based Network for Point Cloud Registration,
   Accepted by **ICTAI 2022**, CCF-C & CORE-B.

3) S. Yuan, Q. Zhang, L. Zhu, **S. Wang**, Y. Zang & X. Zhao   *Journal*
   Multi-level Object Detection by Multi-Sensor Perception of Traffic Scenes,
   Accepted by SCI **Neurocomputing,** JCR Q2.

4) Details of two other papers as third stu-author are on my webpage.

RESEARCH EXPERIENCE

Institute of Artificial Intelligence and Roboticsc(IAIR)   09/2020 – Present

- Lidar-based 3D Object Detection in Road Scenes.
- Point Cloud Registration Based on Transformer.
- Point Cloud Semantic Segmentation.

Ascend Ecological Development Department   03/2022 – 05/2022

- Transplant the deep learning model to Huawei Ascend AI processor for deployment.
- Complete the compatibility and performance verification of both systems.
- Achieve the required accuracy and performance on the Ascend AI processor about EfficientPS and centroids-reid.

Boyun Vision (Beijing) Technology   07/2021 – 12/2021

- Building a classification detector for photos.
- Building an anomaly detector for road guardrail photos.
- Embed the detector into the app.

Boyun Vision (Beijing) Technology   01/2020 – 06/2020

- Build a road scene simulation model using Unity
- We improve the F-PointNet algorithm to detect 3D object.

LANGUAGES & ACTIVITY

Languages: IELTS(6.0)
Activity:

- Academic assistant, (1)Data Structure and Principles; (2) Technology of Artificial Intelligence. 2021-2022
- Vice Chairman, Student Union of Suzhou Research Institute.   2020-2021
- Monitor, XJTU   2020-2023