Aoran Wang

PH.D. STUDENT

Details

+49 15255903906
aoran.wang@uni.lu

Links

LinkedIn

Hobbies

Skiing, Fitness, Swimming

Languages

English

German

Chinese

Profile

Passionate junior researcher. Interested in Graph Neural Networks, Structural Inference, and Deep Learning.

Employment History

PhD Student, University of Luxembourg, Esch-sur-Alzette, Luxembourg

DECEMBER 2020 — PRESENT

Worked as a Ph.D. researcher in the structural inference of dynamical systems and interacting systems. Also gave lectures to undergraduate students on Graph Theory.

Student Assistant, Karlsruhe Institute of Technology, Kalrsruhe, Germany

JANUARY 2020 — MARCH 2020

Prepared for the publication of my master's thesis, and worked on further research on “visual localization with single camera”.

Intern, Robert Bosch GmbH, Renningen, Germany

APRIL 2018 — AUGUST 2022

Developed a novel system diagnosis concept for the propulsion system of an autonomous electric vehicle. And Designed a detection process for the practical application "autonomous driving".

Engineer Intern, Shanghai Dream Air Co,Ltd., Shanghai, China

MARCH 2015 — JUNE 2015

Supported in product design and buying. Supported in the publication of new products. Supported in the control of manufacturing processes

Education

PhD, University of Luxembourg, Esch-sur-Alzette, Luxembourg

DECEMBER 2020 — PRESENT

Researched on Graph Neural Networks, Structural Inference, and Deep Learning.

Master of Science, Karlsruher Institute of Technology, Karlsruhe, Germany

OCTOBER 2015 — SEPTEMBER 2019

Focused on self-driving technology, robotics and artificial intelligence.

Bachelor of Engineering, Tongji University, Shanghai, China

SEPTEMBER 2011 — JUNE 2015

Graduated with honors.

Publication

- A. Wang, T. P. Tong, and J. Pang, "Effective and Efficient Structural Inference with Reservoir Computing," *Proceedings of the 40th International Conference on Machine Learning (ICML), 2023*.
- A. Wang and J. Pang, "Active Learning based Structural Inference," *Proceedings of the 40th International Conference on Machine Learning (ICML), 2023*.
- A. Wang and J. Pang, "Iterative Structural Inference of Directed Graphs," *Advances in Neural Information Processing Systems 35 (NeurIPS), 2022*.
- H. Hu, A. Wang, M. Sons and M. Lauer, "ViPNet: An End-to-End 6D Visual Camera Pose Regression Network," *IEEE 23rd International Conference on Intelligent Transportation Systems (ITSC), 2020*