Tiangyang Wang

115 Taicang Avenue, Taicang City, 215400 • Tianyang.Wang21@student.xjtlu.edu.cn • 13186212510

EDUCATION

School of Al and Advanced Computing, Xi'an Jiaotong-Liverpool University, SuZhou *Sep 2021-Present*

Undergraduate., GPA: 3.72/4.0

- Core Courses: Programming with C++/R, Computer Architecture and Operating Systems, Artificial Intelligence and Data Analysis，Pattern Recognition，Fundamentals of Parallel Computing, Design and Analysis of Algorithms.

SELECTED RESEARCH EXPERIENCE

Cambrian Nanjing Intelligent Computing Center *Jul 2022 - Aug 2022*

- Accelerated proficiency in Python and Linux through a targeted training course at a leading computing center, demonstrating aptitude by achieving certification.
- Applied learning in real-world simulations, enhancing technical versatility and problem-solving skills in software development environments.

Suzhou Shuangen Intelligent Technology Company *Mar 2023 - Apr. 2023*

- Engaged in an immersive project focusing on the integration of software development with 3D metal printing technologies.

Brain Rehabilitation via Artificial Intelligence Jul 2023 - Aug 2023

- Spearheaded groundbreaking research at the intersection of artificial intelligence and brain rehabilitation, focusing on the creation of tailored neural rehabilitation programs leveraging advanced deep learning techniques.
- Pioneered the application of Recurrent Neural Networks (RNN) and Reinforcement Learning (RL) to craft highly personalized rehabilitation training schemas, setting a new standard in the adaptive design of therapeutic interventions.
- Achieved notable breakthroughs in augmenting cognitive and motor function recovery, evidenced by quantifiable improvements in patient outcomes, thereby pushing the boundaries of conventional rehabilitation methodologies.

SELECTED COMPETITION EXPERIENCE

Industrial Big Data Innovation White Paper Competition *Oct 2022 - Nov 2022*

- In the industrial big Data Innovation White Paper competition, innovated tool life prediction method based on virtual health indicators of early life cycle data, and won the provincial second prize for accurate prediction of tool availability.

Tencent cloud summer training Jul 2023 - Aug 2023

- Collaboratively developed a scalable Hadoop and Spark-based big data system for advanced analytics, enhancing feature engineering in a 2-million-user recommendation system and collectively earning the first prize for our team's trained models.

SELECTED PUBLICATIONS

MICCAI2024*(Medical Image Computing and Computer Assisted Intervention)-under review*

SELECTED AWARD

University Academic Achievement Award (5%) *2022-2023*