

## Tiangyang Wang

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### EDUCATION

School of AI 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

XJTLU Entrepreneur (Taicang) Career Development Camp

Summer Training Member Suzhou

Jul 2022 - Aug 2022

- Learn to use Cambrian Nanjing Intelligent Computing Center to learn Python, Linux language and complete the related examination.

Suzhou Shuanggen Intelligent Technology Company

Mar 2023 - Apr. 2023

- Learn 3D metal printing and software development parameter settings and complete related projects.

Brain Rehabilitation via Artificial Intelligence

Jul 2023 - Aug 2023

- In the research of integrating artificial intelligence and brain rehabilitation, I am committed to the development of customized neural rehabilitation programs based on deep learning. By using recurrent neural network and reinforcement learning technology, the personalized design of rehabilitation training is realized, and the training effect is significantly improved, especially in improving cognitive and motor functions.

### 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

### SKILLS & INTERESTS

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**Computer:** Java, Python, C, C++, JavaScript, Matlab.

**Hobbies:** Writing, reading, sports, guitar, etc.

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