Jin Wang

kingwe677@gmail.com

Education

University of Electronic Science and Technology of China June 2026
Yingcai Honors College/Bachelor of Engineering in Computer Science *Current GPA: 3.92/4.0*
Hefei 168 High School (experimental class) June 2022

Relevant Coursework

Courses: Deep learning experiments, Signal and System, Mathematical Analysis (including Ordinary Differential Equations),Linear Algebra and Space Analytic Geometry I,Advanced Programming Language Design, Operating system, Experiment of Electronic Circuit, Calculus

Skills

Languages: Python, C/C++, LaTeX
Tools and Libraries: Git, MATLAB, VS Code, Pytorch, NumPy, Pandas

Reasearch

Computer Vision December 2022 – September 2023

- Based on the deep learning method, the research is carried out in the direction of multi-source image fusion and image reconstruction
- Inspired by Transformer, proposed a new network model based on the Transformer architecture and applied to Pansharpening

Studying with Prof. LiangJian Deng, School of Mathematical Sciences, UESTC

Myopia prediction with deep learning May 2024 – August 2024

- **As the leader of a 9 people team with graduate and undergraduate students**, allocate tasks for the cross-functional team and ensure successful timely completion
- Construct a system from data processing to myopia prediction. Convert traditional strain calculation to medical image registration guided calculation, construct a multi-stage u-net strain approximation model and a mask-based fine-tuning classification model
- The project won The 19th "Challenge Cup" National College Student Extracurricular Academic Science and Technology Competition, 2024 "Revealing the List and Taking the Lead" Special Competition, **Grand Prize (only 3 winners nationwide)**

Supervised by Prof. Fan Zhang, School of Information and Communication Engineering , UESTC

Machine Learning July 2024 – October 2024

- Selected as one of 30 students nationwide,gain China Scholarship Council (CSC) and University of Alberta summer internship scholarship award (**5400 CAD)**
- Explore wavelets application in KAN model and design multiple models with different kinds of wavelet in KAN model

Supervised by Prof. Bin Han, Department of Mathematical and Statistical Sciences, University of Alberta

Neuroimage Computing October 2023 – December 2024

- Lead the whole project,from data processing to paper writing, distributed tasks among collaborators to ensure efficient workflow
- Focusing on Diffusion MRI tractography,the research is aimed to put forward a new approach to do Fiber Clustering. Use deep learning networks to do unsupervised clustering and multi-modal data fusion. Inspired by Deep Multi-view Clustering,design a framework to utilize fMRI information and dMRI geometric data to do Fiber Clustering which gives some insights to functional connectivity on white matter
- This work is accepted by **2025 IEEE International Symposium on Biomedical Imaging (ISBI 2025)**

Supervised by Prof. Fan Zhang, School of Information and Communication Engineering , UESTC

LLM model merging December 2024 – February 2025

- Led the development and implementation of advanced techniques for merging heterogeneous models, focusing on optimizing the weight space to combine the strengths of different model architectures.
- This work is submitted to **ICLR 2025 Workshop**

Collaborated with Yi-kai Zhang, NJU

Experience

Lanqiao Cup (Blue Bridge Cup) Programming Contest Python Group | *Competitor* June 2024
Awarded **Excellence Award** at the National Level

Lanqiao Cup (Blue Bridge Cup) Programming Contest Python Group | *Competitor* May 2024
Awarded **First Prize** at the Provincial Level

The College Students' 'Internet+' and Entrepreneurship Competition | *Competiter* June 2023
Won the Silver award at school level

Student Employment Guidance Center | ***Leader*** June 2022 – October 2024
Helped students employment.Helped enterprises carry out job fairs

Volunteer Club | *Member* September 2022 – October 2024
Participate in volunteer activities

dormitory style contest | *Leader* March 2023
Participated in the production and presentation and won the outstanding award

Course: Computational Thingking organized by National University of Singapore | December 2022
Won the Top Project Prize and the Best Group