Jialin Wang

+86 18765891613 | wangjialin0112@163.com | wangjialin200801@gmail.com | github.com/ans-vvjl| linkedin.com/jialin-wang

Education

Undergraduate | Xi'an Jiaotong University Sep. 2025 – Jun. 2029 (Expected)

B.S. in Artificial Intelligence

Young Gifted Program | Xi'an Jiaotong University Sep. 2023 – Jun. 2025

Qian Xuesen Honors College (Enrolled in University at Age 15)

- Preparatory Year I: Rank 2/64
- Preparatory Year II: Rank 27/190

Experience & Projects

Undergraduate Researcher Jun. 2026 – Present

Cognitive Architecture Group (CAG), Xi'an Jiaotong University *Xi'an, China*

- Independently reimplemented Multi-Bucket Queue and Ordered-by-Integer-Metric schedulers in C++, drawing on research literature and source code analysis of the Galois framework
- Implemented priority-based task management, multi-queue organization, and concurrent scheduling mechanisms, and integrated the schedulers into graph algorithms
- Benchmarked different scheduling strategies across multiple graph workloads on a Linux compute server
- Currently integrating a software prefetcher with the Multi-Bucket Queue scheduler to investigate scheduling–prefetching interactions and their impact on execution performance

Classroom Behavior Analysis and Student Selection System Oct. 2023 – May 2024

Python, K-means Clustering, Baidu AI Cloud API

- Developed the Python backend for a classroom behavior analysis system, integrating Baidu AI Cloud's face recognition API to support classroom behavior analysis
- Implemented K-means clustering to group students based on classroom behavioral features, identifying students whose behavior patterns deviated from the majority
- Designed a clustering-based student selection mechanism to randomly select students from different behavioral groups for classroom questioning
- Received First Prize at the Shaanxi Provincial Youth Science and Technology Innovation Competition

Awards

First Prize, Certified Software Professional Junior	2021
First Prize, National Olympiad in Informatics in Provinces	2023
Second Prize, National Girls' Olympiad in Informatics	2023, 2024
First Prize, Certified Software Professional Senior	2024
Third-Class Scholarship, Xi'an Jiaotong University	2025

Technical Skills & Language Proficiency

Programming Languages: Proficient in C/C++, Java, Python
Frameworks & Tools: Linux, Git, CMake, PyTorch, NumPy
English Proficiency: TOEFL iBT 90