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Education

Xinjiang University	Urumqi, Xinjiang
Bachelor of Science Degree, Mathematics and Applied Mathematics. 3.08/4 Relevant Coursework: Mathematical Analysis, Analytic Geometry, Partial Differential Equations, Fu	2023–Present
Relevant Course work. Watternatical Anarysis, Anarytic Ocometry, Fartial Differential Equations, F	unetional Analysis, etc.
Joint Program: Tsinghua University, Tsien Excellence in Engineering Program - X-Institute	Shenzhen, Guangdong
Enhanced Student Research Training, Open Research for Innovation Challenges, etc	2024–Present
Zhounan High School	Changsha Hunan
Zhounan Star (the highest honor of the school), Shizhao Zhou Subject Competition Award, Peking U	Jniversity Summer
Camp Participant, Five Excellences Model Student, Star of Excellence, AMC 12 Second Place	2020-2023
Research Experience	
Chinese Academy of Sciences Innovation Practice Training Program (Principal Investigator)	2024.11-2025.9
• Led research project on extracting and analyzing global heatwave adaptation factors using multimod	al BERT models
• Integrated text, image, and structured data analysis to identify key factors affecting heatwave adapta	tion
• Developed theoretical and data support for global heatwave response strategies under Prof. Ge Yong	s guidance
Provincial Undergraduate Innovation Training Program (Principal Investigator)	2024 3-2025 6
• Conducted research on generating circularity of n-fold Cartesian product graphs of complete graphs	2021.3 2023.0
• Extended existing research beyond 2-3 vertex complete graphs to analyze graphs with 4+ vertices	
Collaborated with Associate Prof. Eminjan Sabir on advanced graph theory concepts	
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Isingnua University Isien Excellence in Engineering Program ESKI Project (Principal Investiga	$(tor) = 2024.8 \sim 2023.1$
• A chieved 91 04% classification accuracy using ML models on 2000+ protein mappings	
• Established correlation between musical harmony indices and protein functionality	
Professional Experience	
Institute of Software, Chinese Academy of Sciences - Huawei Mindspore (<i>Research Intern</i>)	2024.9 – 2025.3
• Implemented vGG19-based Pollock style transfer for fractal and turbulent feature extraction	

• Applied machine learning and AI techniques for artistic style analysis

Selected Publications

•Luo, Z., Wang, X., Wang, Y., Zhang, H., & Li, Z. (2024). A Personalized MOOC Learning Group and Course Recommendation Method Based on Graph Neural Network and Social Network Analysis. *Journal Of Computing In Higher Education* (*under review, co-first author*)

Wang, Y., Wang, Xu., Jiazhuo, Pan. (2024). Fractal and Turbulent Feature Extraction and NFT Label Generation for Pollock Style Migration Paintings Based on VGG19. *Computer Vision and Image Understanding (under review, first author)*Wang, X., Xu, L., Wang, Y., Dong, Y., Li, X., Deng, J., & He, R. (2024). Octopus Inspired Optimization Algorithm: Multi-Level Structures and Parallel Computing Strategies. *Machine Intelligence Research (under review, Corresponding author)*

Awards and Honors	
National 17th Place, Alibaba Cloud University Student Competition	2024
National Third Prize, 14th APMCM Asia-Pacific Mathematical Modeling Competition	2024
• 7th Place, Xinjiang "Tianshan Network Cup" Cybersecurity Skills Competition	2023
15th Place, National Amateur Go Chess King Championship	2024

Skills & Interests

Technical Skills: Python, C/C++, MATLAB, HTML, JavaScript, CSS Languages: Chinese (Native), English (Professional) Research Areas: Machine Learning, Bioinformatics Analysis, Mathematical Modeling, Graph Neural Networks Interests: Go (Weiqi), Photography, Cycling, Programming, Fishing