Wanting Xiang

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EDUCATION	
Xi'an Jiaotong University (C9), School of Mathema	tics and Statistics Xi'an, China
• Master of Applied Statistics, GPA: 3.52/4, Average	ge: 87.80 Sept. 2023 - June 2026
Zhengzhou University (211), School of Business	Zhengzhou, China
• Bachelor of Economic Statistics, GPA: 3.74/4, Av	erage: 89.57 Sept. 2019 – June 2023
PUBLICATIONS	
Development and Validation of an Interpretable M	achine Learning Model for Predicting Tic
Disorders and Severity in Children Based on Electr	
Journal: IEEE Transactions on Neural Systems	• •
IF = 5.2)	3 3 (2)
 Coauthors: Wanting Xiang (first author), Gang Publication Date: June 2025 DOI: 10.1109/TNSRE.2025.3579763 RESEARCH EXPERIENCE 	Zhu, Yichong Hou et al.
Microstate Functional Connectivity Network Desig	n for Predicting TD Mar. 2025 - Present
 Propose fusion strategy that combines spatiotemp from Electroencephalogram (EEG) microstate ne Design multi-branched GAT incorporating attentions of one property. 	tworks
 Begin preparation of one paper Two-Stage Progressive Diagnostic Design for Prediction 	eting TD Feb. 2024 - June 2025
 Preprocessed EEG from TD and HC using autom Proposed individual-based feature-weighted integenhancing prediction accuracy of TD diagnosis a Employed model interpretability to uncover poten Published one paper in 2025 IEEE TNSRE 	ated pipelines with manual refinement gration method and SFSW strategy, and severity using ML models
Automatic Localization Design for Pharyngeal Sam	pling Regions Dec. 2022 - June 2023
 Proposed application of Mask R-CNN model to rof pharyngeal regions for throat swab collection Optimised Mask R-CNN parameters for precise lateral (tonsils and uvula) Documented in undergraduate dissertation 	novel clinical scenario-automatic detection
RELATED EXPERIENCE	
Conferences	
• The 7th International Conference on Mathematic	
• Frontier Forum on Mathematical Methods for Pe	diatric Brain Disorders 2023, Xi'an, China
Work	F.1. 14. 2022
NIO Inc. Data Operations Intern	Feb May 2023
Henan Public Opinion Research Center Data A HONORS & AWARDS	nalysis Intern July - Aug. 2021
HONORS & AWARDS	
"Huawei Cup" Mathematical Contest in Modeling, Na	
"Challenge Cup" Academic Science and Technology Competition, National Second Prize 2022	
Mathematical Contest in Modeling, M Winner	2022
CIZILIC	

SKILLS

Languages: Chinese (native), English (fluent)
Programming: Python, MATLAB, R, SPSS, SQL