

Yifan Qin (Amadeus)

Physical Education Teacher | Cangzhou Jiaotong College

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RESEARCH PROFILE

I study how people learn, adapt and make sense of health and technology. My work combines movement experiments, neuroimaging, machine learning, meta-analysis and computational text analysis across motor learning, public health, physical education and generative-AI discourse.

Research areas: Movement and Cognition | Neuroimaging (fNIRS and EEG) | Computational Methods | Generative AI and Digital Culture

APPOINTMENTS

2024 - Present Teaching Assistant, Physical Education

Cangzhou Jiaotong College

- Teach Volleyball, Ba Duan Jin (Eight Brocades) and Sports Rehabilitation.
- Design undergraduate lessons grounded in movement science and applied health education.

2023 - 2024 Research Assistant

Vanke School of Public Health, Tsinghua University

- Contributed to study protocols, fieldwork and public-health data analysis.
- Worked with fNIRS pipelines, statistical modelling and reproducible analysis.

EDUCATION

2020 - 2023 M.S. in Human Movement Science

Shenzhen University

- Research focus: fNIRS, exercise and cognition, and machine learning for health.
- Special-Class Scholarship, 2021.

2016 - 2020 B.S. in Sports Rehabilitation

Hebei Normal University

- Outstanding Graduate of Hebei Province, 2020.

SELECTED PUBLICATIONS

Runners with Better Cardiorespiratory Fitness Had Higher Prefrontal Cortex Activity During Both Single and Exercise-Executive Function Dual Tasks: An fNIRS Study

B Liu, J Yu, J Wu, Y Qin, W Xiao, Z Ren

Frontiers in Physiology, 2023

Machine Learning Models for Data-Driven Prediction of Diabetes by Lifestyle Type

Y Qin, J Wu, W Xiao, K Wang, A Huang, B Liu, J Yu, C Li, F Yu, Z Ren

International Journal of Environmental Research and Public Health, 2022

Effects of Mindfulness Exercise Guided by a Smartphone App on Negative Emotions and Stress in Non-Clinical Populations

J Wu, Y Ma, Y Zuo, K Zheng, Z Zhou, Y Qin, Z Ren

Frontiers in Public Health, 2022

The Effects of Mindfulness Interventions on Self-Efficacy: A Systematic Review and Meta-Analysis

Y Qin, Z Ren, J Wu, B Liu, X Lin, Y Yang, H Zhang, J Chen, W Xiao

Medicine & Science in Sports & Exercise, 2022

RESEARCH PROJECTS

2025 - 2026

Visuomotor Adaptation with EEG in College Students

Current stage: Analysis and Writing

- Completed VMR and EEG data collection with college students.
- Current work focuses on analysis, interpretation and manuscript preparation.

2026 - Present

Generative AI Public Discourse on Bilibili

Current stage: Analysis and Writing

- Analyze 5,112,810 deduplicated comments associated with 5,314 videos.
- Combine deterministic preprocessing, embeddings, topic discovery and human audit.

TEACHING

2024 - Present

Volleyball

Cangzhou Jiaotong College

- Fundamentals, drills, match play and game tactics.

2025 - Present

Ba Duan Jin (Eight Brocades)

Cangzhou Jiaotong College

- Traditional health-preserving exercise, breathing and movement form.

2025 - Present

Sports Rehabilitation

Cangzhou Jiaotong College

- Functional assessment, exercise prescription and basic rehabilitation principles.

METHODS AND SKILLS

Programming: Python, R, MATLAB

Neuroimaging: fNIRS preprocessing, EEG analysis

Quantitative methods: Machine learning, meta-analysis, statistical modelling

Computational research: Text preprocessing, semantic embeddings, topic discovery

Languages: Chinese (Native), English (Working proficiency)

SELECTED AWARDS

2021

Special-Class Scholarship - Shenzhen University

2020

Outstanding Graduate of Hebei Province - Hebei Normal University

2020

First-Class Academic Scholarship - Hebei Normal University