LINHAO LI

Phone: (+86) 173-2356-4569 ◇ Email: linhao.li2026@gmail.com
Homepage: https://cqulinhaoli.github.io/
Github

EDUCATION

Chongqing University (CQU) *Sept. 2022 - Jun. 2026 (expected)*
B.S. in Data Science and Big Data Technology
GPA: 3.7/4.0 (first class)
Related courses: Machine Learning, Computer Vision, Natural Language Processing, Data Science Introduction, Data Structures and Algorithms, Database Principles, Computer Systems

University of Macau (UM) *Aug. 2024 - Jan. 2025*
B.S. in Computer Science (Exchange Student)

RESEARCH INTERESTS

AI for Healthcare, Multimodal, Computational Pathology

RESEARCH EXPERIENCE

Quantum Evidence Theory for Multisource Information Fusion Jul. 2023 - Present
Supervisor: Prof. Fuyuan Xiao Chongqing University

- Researched multi-source information fusion (MSIF) to improve classification accuracy in complex systems.
- Proposed a novel Generalized Quantum Basic Belief Assignment (GQBBA) generation method based on Generalized Quantum Evidence Theory (GQET) for time series data.
- Built a complete pipeline: DFT-based feature extraction, extension from GFN to QGFN, GQBBA generation, frequency selection via complex distance, and fusion via quantum evidence theory.
- Achieved 86.83% accuracy, outperforming traditional fusion and machine learning methods; validated through theoretical analysis and extensive experiments.
- Presented at lab seminars; incorporated feedback for methodological refinement. Manuscript in preparation.

Semi-Automated Annotation for Occlusion-Aware Object Tracking Mar. 2025 - Apr. 2025
Supervisor: Prof. Henghui Ding Fudan Vision and Learning Laboratory

- Focused on object tracking in real-world videos, annotating 6000+ frames across 9 sequences involving occlusion, motion blur, and target disappearance.
- Enhanced annotation efficiency and temporal consistency by integrating the Segment Anything Model (SAM) into the pipeline.
- Contributed to improving annotation strategy through team discussions on ambiguous cases and edge scenarios.

TEACHING EXPERIENCES

Teaching Assistant Fall 2023
CST11103, Fundamental of Computer Programming Chongqing University

- Assisted in teaching introductory programming concepts, including C++, Python, data structures, and algorithms.
- Conducted lab sessions to guide students through hands-on coding exercises and practical applications.
- Held weekly office hours to support over 100 students with coding assignments, debugging, and exam preparation.
- Graded assignments and exams, providing detailed feedback to improve students' understanding and performance.

ACHIEVEMENTS

Outstanding Student Award, Chongqing University *2024*
Second-Class Scholarship, Chongqing University *2024*
Honorable Mention, Mathematical Contest in Modeling (MCM/ICM) *2025, 2024*
Third Prize, Team Programming Ladder Tournament, Chongqing University *2023*
Second Prize, Chinese Mathematical Olympiad (CMO), Chongqing Province *2021*
Second Prize, Chinese Physics Olympiad (CPhO), Chongqing Province *2021, 2020*
Second Prize, National Olympiad in Informatics (NOIP), Chongqing Province *2018*

SKILLS/HOBBIES

Programming Languages	Python, C/C++, MATLAB
Machine Learning Tools	Pytorch, Sklearn, Pandas, Numpy
Research Tools	Git, Latex, Origin
Languages	Mandarin and English
Hobbies	Traveling and Sports