Jiarui Li

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Education

- **Qingdao University** *2021-2025*
  School of Computer Science and Technology ***Top 10%***

Research Interests

1. Artificial Intelligence, Computer Vision, Image Processing
2. Computer Interdisciplinary, Biomedical Engineering

Publications

1. **Li, J.** (2025). A Deep Learning Method for Document Shadow Removal under Mask Supervision with Sobel Prior. AAAI(ccf-a).
2. **Li, J.**, Xing, K., Wang, W., Sun, L., Xue, L., Xing, J., Wu, X., Xing, D. (2025). Dynamic Parallel Traction Theoretical Model for the Application and Validation in Femoral Neck Fractures. Journal of Orthopaedics, 64, 7-12.

Research Experiences

- **Qingdao University** *2024.5-2024.11*
  Dynamic Parallel Traction Robots
  – Proposed Dynamic Parallel Traction algorithm to compensate the misalignment of traction lines
  – Using finite element analysis in femoral neck fractures to validate its effectiveness
  – This work is published in J Orthop. titled "Dynamic Parallel Traction Theoretical Model for the Application and Validation in Femoral Neck Fractures"

- **Westlake University** *2023.10-2024.5*
  Document Shadow Removal
  – Designed a architecture to make the document shadow removal effect
  – Compared our method with others on different datasets
  – This work's proposal is published in AAAI titled "A Deep Learning Method for Document Shadow Removal with Sobel Prior under Mask Supervision"

Honors Awards

- **Outstanding Student, Qingdao University** *2022*
- **First-Class Scholarship, Qingdao University** *2022*
- **Second Prize, Lanqiao Cup in Shandong Province** *2023*
- **Third Prize, Robocom CAIP Track in Shandong Province** *2023*
- **Honorable Prize, Mathematical Contest in Modeling(MCM)** *2024*
- **AAAI Undergraduate Consortium Scholarship** *2025*

Technical Skills

1. Coding: Python(Pytorch), MATLAB, C/C++
2. Engineering: Mimics, Ansys, Graphpad