

# LIANGJING SHAO

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## 🎓 EDUCATION

**Fudan University**, Shanghai, China

2022 – 2025(expected)

**Academy for Engineering & Technology**

**Shanghai Key Laboratory of Medical Image Computing and Computer Assisted Intervention**

*Research Master Student* in Biomedical Engineering

*Research Interest:* 3D Vision, Computer Assisted Intervention, Embodied AI

*GPA:* 3.58/4.00

**Tongji University**, Shanghai, China

2018 – 2022

**College of Mechanical Engineering**

*B.Eng.* in Mechanical Engineering

*GPA:* 4.56/5.00 (TOP 6%)

## 📄 PUBLICATIONS

†: Equal Contribution, #: Corresponding Author

1. **Liangjing Shao**, Benshuang Chen, Shuting Zhao, Xinrong Chen#. EndoMODE: A Multi-modal Visual Feature-based Ego-motion Estimation Framework for Monocular Odometry and Depth Estimation in Various Endoscopic Scenes. *IEEE Transactions on Industrial Informatics*, 2025 (**Accepted**). (SCI, JCR Q1)
2. **Liangjing Shao**, Benshuang Chen, Xinrong Chen#. REMOTE: Real-time Ego-motion Tracking for Various Endoscopes via Multimodal Visual Feature Learning. *IEEE International Conference on Robotics & Automation (ICRA)*, 2025 (**Accepted**).
3. Wei Tang, **Liangjing Shao**, Xinrong Chen#. Estimation of Hand Pressure and Pose from RGB Images Based on Cross-modal Cues. *IEEE Sensors Journal*, vol. 25, no. 1, pp. 2030-2039 (2024). (SCI, JCR Q1)
4. **Liangjing Shao**, Benshuang Chen, Xinrong Chen#. NETrack: A Lightweight Attention-based Network for Real-time Pose Tracking of Nasal Endoscope Based on Endoscopic Image. *the 21st Pacific Rim International Conference on Artificial Intelligence (PRICAI)*, pp. 147-152 (2024).
5. **Liangjing Shao**, Benshuang Chen, Ziqun Zhang, Xinrong Chen#. 3-D Clothed Human Model Reconstruction Based on Single-View In-the-Wild Image Data. *IEEE Sensors Journal*, vol. 24, no. 15, pp. 24178-24188 (2024). (SCI, JCR Q1)
6. **Liangjing Shao**, Benshuang Chen, Xinrong Chen#. 3D Clothed Human Reconstruction from One In-the-wild RGB Image. *2024 IEEE International Conference on Image Processing (ICIP)*, pp. 3561-3567 (2024).
7. **Liangjing Shao**, Benshuang Chen, Ziqun Zhang, Zhen Zhang#, Xinrong Chen#. Artificial intelligence generated content (AIGC) in medicine: A narrative review. *Mathematical Biosciences and Engineering*, vol. 21, no. 01, pp. 1672-1711 (2024).
8. **Liangjing Shao**†, Wei Tang†, Ziqun Zhang, Xinrong Chen#. Medical Metaverse: Technologies, Applications, Challenges and Future. *Journal of Mechanics in Medicine and Biology*, vol. 23, no. 02, 2350028 (2023). (SCI)

## 🏆 HONORS AND AWARDS

**Outstanding Graduate of Shanghai**, by Fudan University and Shanghai Municipal Education Commission 2025

**Outstanding Graduate of Shanghai**, by Tongji University and Shanghai Municipal Education Commission 2022

**The 1st Prize of Scholarship**, by Tongji University (×2) 2020, 2021

## 👤 SERVICES

- **Reviewer** of *IEEE Transactions on Instrumentation and Measurements (TIM)*
- **Reviewer** of *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)* 2025
- **Reviewer** of *ACM Conference on Multimedia (ACM MM)* 2023
- **Reviewer** of *ACM Conference on Multimedia (ACM MM)* 2024