

Shenghong Luo

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[Homepage](#)|[Google Scholar](#)|[Github](#)|[ResearchGate](#)

EDUCATION

BEng of Network Engineering (GPA 83/100) Sep.2019-Jun.2023 Huizhou University, China (Huizhou)

Core Courses: Data Structure, Computer Network, Operating System, Principle of Computer Organization, Computer Network Engineering, Database Application Technology.

MSc of Information Technology Management(GPA 3.13/4.00) Sep.2023-Jul.2024 Hong Kong Baptist University, China (Hong Kong)

Core Courses: Msc Research (A-), Electronic Transformation in Business, Principles and Practices of Data Analytics.

RESEARCH INTEREST

Computer Vision; Low-level Computer Vision; 3D Reconstruction; AI Generated Content.

PUBLICATIONS

- > **Luo S**, et al. Devignet: High-Resolution Vignetting Removal via a Dual Aggregated Fusion Transformer With Adaptive Channel Expansion, **AAAI 2024**
- > Chen W, Lei Y, **Luo S**, et al. ShaDocFormer: A Shadow-attentive Threshold Detector with Cascaded Fusion Refiner for document shadow removal, **IJCNN 2024**(Accepted)
- > Chen X, Lei Y, **Luo S**, et al. UWFormer: Underwater Image Enhancement via a Semi-Supervised Multi-Scale Transformer, **IJCNN 2024**(Accepted)
- > Li Z, Zhang Z, **Luo S**, et al. An Improved Matting-SfM Algorithm for 3D Reconstruction of Self-Rotating Objects. **Mathematics 2022**
- > Li Z, **Luo S**, et al. 3D reconstruction system for foot arch detecting based on OpenMVG and OpenMVS **PRAI 2022**.

RESEARCH EXPERIENCE

Research Assistant, University of Macau

Aug.2022-now

- > Collaborated on the " DeVigNet " and "UWFormer" research paper, actively contributing to the research process and playing a pivotal role in the research. Responsible for model development and experiments. Conduct a comprehensive dataset, encompassing more than 2000 images.

Research Assistant, Shenzhen Advanced Technology Research Institute, Chinese Academy of Sciences

Feb.2023-now

- > Make a contribution to DocDeshadower and ShaDocFormer research papers, encompassing server setting, model development, and experiment implementation.

HONORS AND AWARDS

- > Hong Kong Baptist University MSc ITM Entrance Scholarship Sep.2023
- > Third Prize in the National Youth Innovative Translation Competition June.2022

SKILLS

Python, Pytorch, Latex, OpenCV, Linux