Xiaoguang Li
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Education

2020 - present, Ph.D. in Computer Science, University of South Carolina
2020 - 2022, M.S. in Computer Science, University of South Carolina
2009 - 2013, B.S. in Computer Science, Zhengzhou University

Research Interested

Computer vision, especially for image restoration, e.g., image and video inpainting, shadow removal, and superresolution, as well as object detection and image classification.

Working Experience

1. May 2023 - Aug 2023, eBay.
   Research Intern: Exploring multimodality representation learning for image and text retrieval.
2. May 2021 - Aug 2021, (OPPO) InnoPeak Technology, Inc.
   Research Intern: Exploring machine learning algorithms for video inpainting and object removal.
3. Aug 2020 - Dec 2022, University of South Carolina
   Research Assistant: Exploring machine learning algorithms for detecting Dendrite Core from Microscopic Images of Directionally Solidified Ni-base Alloys
   Teaching Assistant: Teaching CSCE101 Introduction to Computer Concepts

Publications

1. **Xiaoguang Li**, Qing Guo, Rabab Abdelfattah, Di Lin, Wei Feng, Ivor Tsang, Song Wang, "Leveraging Inpainting for Single-Image Shadow Removal", ICCV 2023.
2. Rabab Abdelfattah, Qing Guo, **Xiaoguang Li**, Xiaofeng Wang, Song Wang, "CLIP-Driven Unsupervised Learning for Multi-Label Image Classification", ICCV 2023.
3. **Xiaoguang Li**, Qing Guo, Di Lin, Ping Li, Wei Feng, and Song Wang, “MISF: Multi-level Interactive Siamese Filtering for High-Fidelity Image Inpainting”, CVPR 2022.
4. Qing Guo*, **Xiaoguang Li***, Felix Juefei-Xu, Hongkai Yu, Yang Liu, and Song wang, “JPGNet: Joint Predictive Filtering and Generative Network for Image Inpainting”, ACM MM, 2021.
5. Lan Fu, Hongkai Yu, **Xiaoguang Li**, Craig P. Przybyla, and Song Wang, “Deep Learning for Object Detection in Materials-Science Images”, SPM 2021.

Academic Services

Reviewer of CVPR, ICCV, AAAI, IJCV, TPAMI, TNNLS, TIV, PRL, and TMM

Skill

Java, Python, C++ | Pytorch, Tensorflow