



HUIQING QI

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Location: East China Normal University, Shanghai, China

Research Interests:

- Image restoration
- Few-shot segmentation
- Deep learning
- Game theory

EDUCATION

- ❑ **East China Normal University (Doctor)** **SEP 2020 – Present**
 - School of Mathematics and Sciences, Major in Pure Mathematics.
 - Shanghai Institute of AI for Education, Major in AI for Education (Joint Training Program).
 - The Shanghai Key Laboratory of PMMP.
- ❑ **Chongqing University (Master)** **SEP 2017 – JUN 2019**
 - College of Mathematics and Statistics, Major in Applied Statistics, Top 5%.
 - The second prize of China post-graduate mathematical contest in modeling.
 - Honorable Mention of MCM/ICM.
- ❑ **Chongqing University of Science & Technology (Bachelor)** **SEP 2013 – JUN 2017**
 - School of Mathematics and Big Data, Major in Mathematics & Applied Mathematics, Top 2%.
 - National Scholarship, Outstanding graduates, Excellent Student Cadre.
 - The second prize of China undergraduate mathematical contest in modeling (CUMCM).

ACADEMIC EXPERIENCE

- ❑ **National Key Research and Development Program of China** **SEP 2020 – Present**
 - Key participant (No. 2018AAA0101001), Algorithm design and implementation, Data modeling.
- ❑ **Shanghai Science and Technology Commission Foundation** **SEP 2020 – Present**
 - Key participant (No. 22DZ2229014 and No. 20511100200), Data analysis, Coding via GPU parallel computation.
- ❑ **Chongqing Undergraduate Innovation Training Project (CQUITP)** **SEP 2017 – NOV 2018**
 - Principal investigator, Data collecting and modeling, Algorithm designing and coding, Editing Scientific report.
- ❑ **China Society for Industrial and Applied Mathematics Project (CSIAM)** **SEP 2015 – OCT 2016**
 - Key participant, Assistant teacher in algorithm theory design and coding, Data modeling and results analysis.

PUBLICATIONS

- ❑ **Published**
 - **Huiqing Qi**, Shengli Tan, and Zhichao Li. (2022). "Anisotropic Weighted Total Variation Feature Fusion Network for Remote Sensing Image Denoising." *Remote Sensing* 14, no. 24: 6300. (**JCR**: Q1, **IF**: 5.349)
 - **Huiqing Qi**. (2015) "Financial Data Mining and Visualization Based on R Language." *Commodity and Quality: Consumption Research*, 0(7):9-11.
 - **Huiqing Qi**, Fang Li, Shengli Tan et al. (2021) "Training Generative Adversarial Networks with Adaptive Composite Gradient." *arXiv preprint arXiv:2111.05508*.
- ❑ **Preprints**
 - **Huiqing Qi**, Peng Chen, Fang Li. Weighted multi-scale anisotropic diffusion model for edge-preserving image restoration. (Pending Submit)
 - Mutually Guided Edge-aware Image Smoothing via Relative Tight Frames. (Manuscript in Preparation)
 - Multi-class Few-shot Segmentation of Remote Sensing Images via Feature Regularization. (Manuscript in Preparation)
- ❑ **Patent**
 - **Huiqing Qi** et al. Method and System for Searching Safety Zone of Elevation Map Based on Monte Carlo Algorithm. (Status: Active, No. CN105589997B)

HIGHLIGHTS

- **Certificates**: CET-6, NCRE-2, NCRE-3, Quality Assurance Engineer.
- **Skills**: MATLAB, Python, R, SPSS, Pytorch, Tensorflow, Parallel computing.