



## 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

<b>□ East China Normal University (Doctor)</b>	<b>SEP 2020 – Present</b>
• 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.	
<b>□ Chongqing University (Master)</b>	<b>SEP 2017 – JUN 2019</b>
• 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.	
<b>□ Chongqing University of Science &amp; Technology (Bachelor)</b>	<b>SEP 2013 – JUN 2017</b>
• 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

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

## PUBLICATIONS

<b>□ Published</b>
• <b>Huiqing Qi</b> , Shengli Tan, and Zhichao Li. (2022). "Anisotropic Weighted Total Variation Feature Fusion Network for Remote Sensing Image Denoising." <i>Remote Sensing</i> 14, no. 24: 6300. ( <b>JCR: Q1, IF: 5.349</b> )
• <b>Huiqing Qi</b> . (2015) "Financial Data Mining and Visualization Based on R Language." <i>Commodity and Quality: Consumption Research</i> , 0(7):9-11.
• <b>Huiqing Qi</b> , Fang Li, Shengli Tan et al. (2021) "Training Generative Adversarial Networks with Adaptive Composite Gradient." <i>arXiv preprint arXiv:2111.05508</i> .
<b>□ Preprints</b>
• <b>Huiqing Qi</b> , 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)
<b>□ Patent</b>
• <b>Huiqing Qi</b> 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.