Rongqun Lin

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| CONTACT INFORMATION | Department of Computer Science
City University of Hong Kong, Hong Kong, China.
Homepage: http://rongqunlin.com | rongqun1023@gmail.com
Tel: +(852)-6741-9680
Google Scholar |

| RESEARCH INTERESTS | Deep learning
Learned video compression, video coding
Model compression
Image and video restoration |

| EDUCATION | **City University of Hong Kong**, Hong Kong, China | Aug. 2019 – Now |

Ph.D., Department of Computer Science, College of Engineering
- Major in Computer Science
- Supervisor: *Prof.* KWONG Tak Wu Sam
  Co-supervisor: *Dr.* Shiqi Wang

Tsinghua University, Beijing, China — Sep. 2014 – Jul. 2017

M.E., Department of Automation
- Major in Control Engineering
- Supervisor: *Prof.* Qionghai Dai
  Co-supervisor: *Prof.* Yongbing Zhang

Fuzhou University, Fuzhou, China — Sep. 2010 – Jul. 2014

B.S., College of Electrical Engineering and Automation
- Major in Electrical Engineering and Automation

| RESEARCH EXPERIENCE | **City University of Hong Kong**, Hong Kong, China | Aug. 2019 – Now |

Research Assistant — Supervisor: *Prof.* KWONG Tak Wu Sam
Projects: Deep model compression, decompressed video enhancement, learned video compression.

Tsinghua University, Beijing, China — Sep. 2014 – Jul. 2017
Research Assistant — Supervisor: *Prof.* Qionghai Dai
Projects: Depth map upsampling, decompressed video enhancement and loop filtering in video coding via deep learning.

| WORK EXPERIENCE | **Guangzhou Regentsoft Technology Col., Ltd., China** | Feb. 2018 – Feb. 2019 |

Algorithm Engineer
Projects: Cloth image matting for Fitting Room application.

Saic-Anji AI Lab, SAIC Motor Corporation Limited, China — Aug. 2017 – Feb. 2018
Algorithm Engineer
Projects: Data mining and Optimization for Vehicle transfer in Vehicle logistics.

PUBLICATIONS

Rongqun Lin , Pingping Zhang, Meng Wang, Shiqi Wang, Sam Kwong, "Deep Video Compression for P-frame in Sub-sampled Color Spaces ," *IEEE International Symposium on Circuits and Systems* (**ISCAS**), 2022. (**CCF C**)

Bolin Chen, Zhao Wang, Binzhe Li, **Rongqun Lin** , Shiqi Wang, Yan Ye, "Beyond Keypoint Coding: Temporal Evolution Inference with Compact Feature Representation for Talking Face Video Compression," *Data Compression Conference* (**DCC**), 2022. (**CCF B**)

Rongqun Lin , Linwei Zhu, Shiqi Wang, Sam Kwong, "Towards Modality Transferable Visual Information Representation with Optimal Model Compression," *ACM International Conference on Multimedia* (**ACM MM**), 2020. (**CCF A**)

Rongqun Lin , Yongbing Zhang, Haoqian Wang, Xingzheng Wang, Qionghai Dai, "Deep Convolutional Neural Network for Decompressed Video Enhancement," *Data Compression Conference* (**DCC**), 2016. (**CCF B**)

Rongqun Lin , Yongbing Zhang, Haoqian Wang, Xingzheng Wang, Qionghai Dai, "Depth Map Upsampling via Progressive Manner Based on Probability Maximization," *Pacific Rim Conference on Multimedia* (**PCM**), 2015. (**CCF C**)

HONORS AND AWARDS	

- First Prize of "Caiyuan Scholarship" in Tsinghua University — 2016
- National Encouragement Scholarship — 2013
- Second Prize Scholarship of Fuzhou University — 2013
- First Prize in Fujian Province College Students' Electronic Design Contest — 2012
- Second Prize in China Renesas MCU Car Rally Competition — 2012
- First Prize in the college students' social practice and technological competition for energy conservation and emissions reduction in Fuzhou University — 2012
- Second Prize Scholarship of Fuzhou University — 2012
- Third Prize Scholarship of Fuzhou University — 2011

TEACHING

- Teaching Assistant, CS1102 Introduction to Computer Studies, City University of Hong Kong

SKILLS

- Programming: Matlab, C/C++, Python, LaTeX, Visual Studio, OpenCV, Linux.
- Deep learning tools: PyTorch, TensorFlow, Caffe