Chuan Yan

Creativity and Graphics Lab (CraGL)
George Mason University
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Education

2018-   George Mason University, USA

Ph.D. Candidate in Computer Science
Thesis: Artistic sketch cleanup
Advisor: Yotam Gingold

2011-2018   Southwest Jiaotong University, China

Ph.D. Candidate in Computer Science
Thesis: Digital video and image coding and transmission
Advisor: Qiang Peng

2003-2007   Southwest Jiaotong University, China

B.S. in Communication Engineering

Research Interests

I'm interested in image **generation**, semantic **editing**, cross-domain **translation**, and **evaluation** of state-of-the-art methods. I have particular expertise in raster and vector artistic images such as sketches. My research has given me different perspectives on semantic, stroke, and pixel-level information.

Publications

- **Chuan Yan**, John Joon Young Chung, Yoon Kiheon, Yotam Gingold, Eytan Adar, Sungsoo Ray Hong. *FlatMagic: Improving Webcomic Flat Colorization through AI-driven Design for Professionals* . SIGCHI 2022.

- **Chuan Yan**, David Vanderhaeghe, Yotam Gingold. *A Benchmark for Sketch Cleanup.* SIGGRAPH Asia 2020.

- Qing Li, Qiang Peng, Junzhou Chen, **Chuan Yan**. *Improving Image Classification Accuracy With ELM and CSIFT.* Computing in Science and Engineering 21(5): 26-34 (2019)

- Chongyang Xiang, Jiajun Xu, **Chuan Yan**, Qiang Peng, Xiao Wu. *Generative Adversarial Networks Based Error Concealment for Low Resolution Video.* ICASSP 2019: 1827-1831

- Qing Li, Qiang Peng, **Chuan Yan**. *Multiple VLAD Encoding of CNNs for Image Classification.* Computing in Science and Engineering 20(2): 52-63 (2018)

- Jiajun Xu, Wei Jiang, **Chuan Yan**, Qiang Peng, Xiao Wu. *A Novel Weighted Boundary Matching Error Concealment Schema for HEVC.* ICIP 2018: 3294-3298

Employment History

Sep 2020–   George Mason University
Present   *Graduate Teaching Assistant*

Sep 2019–   George Mason University
Sep 2020   *Graduate Research Assistant*

Sep 2018–   George Mason University
Jun 2019   *Graduate Teaching Assistant*

Programming Skills

- **Programming Languages**
  Python (PyTorch, TensorFlow, SVGpathtools)
  C++