Chuan Yan

Creativity and Graphics Lab (CraGL)
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Education

2018-   George Mason University, USA

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

2011-2018   Southwest Jiaotong University, China

Ph.D. Student 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

My research interests lies in exploring algorithmic methods in the artistic drawing / designing workflow to help people release their creativity better. And these research has given me particular expertise in raster and vector artistic images such as sketches. In general, I'm also interested in image generation, editing, recognition and compression.

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 (🏆 top venue, IF: 2.3).

- **Chuan Yan**, David Vanderhaeghe, Yotam Gingold. *A Benchmark for Sketch Cleanup*. ACM Transactions on Graphics (TOG), SIGGRAPH Asia 2020 special issue (🏆 top venue, IF: 5.4).

- 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–Present	George Mason University *Graduate Teaching Assistant*
Sep 2019–Sep 2020	George Mason University *Graduate Research Assistant*
Sep 2018–Jun 2019	George Mason University *Graduate Teaching Assistant*

Programming Skills

- **Programming Languages**

  Python (PyTorch, TensorFlow, SVGpathtools)
  C++