

# Qingnan Fan

## PERSONAL DATA

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HOMEPAGE: <https://fqnchina.github.io/>  
INTERESTS: Computer Vision, Computer Graphics

## EDUCATION

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SEP. 2019 - NOW	PostDoc, Computer Science, Stanford University Advisor: Prof. Leonidas Guibas
SEP. 2014 - JUN. 2019	Ph.D., Computer Science and Technology, Shandong University Advisor: Prof. Baoquan Chen
SEP. 2010 - JUL. 2014	B.E., Software Engineering, Shandong University

## RESEARCH EXPERIENCES

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APR. 2018 - AUG. 2019	Research Intern in Advanced Innovation Center for Future Visual Entertainment (AICFVE), Beijing Film Academy Supervisor: Prof. Baoquan Chen.
AUG. 2018 - OCT. 2018	Visiting Student in Cambridge Image Analysis group, Cambridge University. Collaborator: Prof. Carola-Bibiane Schönlieb.
SEP. 2016 - MAR. 2018	Research Intern in Microsoft Research Asia (MSRA) Collaborator: Xin Tong, Gang Hua, David Wipf and Jiaolong Yang.
APR. 2015 - MAY 2015	Visiting Student in Tel Aviv University Collaborator: Prof. Daniel Cohen-Or.
OCT. 2014 - NOV. 2014	Visiting Student in Hebrew University of Jerusalem Collaborator: Prof. Dani Lischinski.

## PUBLICATION

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- 2020: Generative 3D Part Assembly via Dynamic Graph Learning.  
Jialei Huang\*, Guanqi Zhan\*, **Qingnan Fan**, Kaichun Mo, Lin Shao, Baoquan Chen, Leonidas Guibas, Hao Dong.  
NeurIPS, 2020.
- 2020: Controllable Image Processing via Adaptive FilterBank Pyramid.  
Dongdong Chen, **Qingnan Fan**, Jing Liao, Angelica Aviles-Rivero, Lu Yuan, Nenghai Yu, Gang Hua.  
TIP, 2020.
- 2019: A General Decoupled Learning Framework for Parameterized Image Operators.  
**Qingnan Fan\***, Dongdong Chen\*, Lu Yuan, Gang Hua, Nenghai Yu, Baoquan Chen.  
TPAMI, 2019.
- 2019: RainFlow: Optical Flow under Rain Streaks and Rain Veiling Effect.  
Ruoteng Li, Robby T. Tan, Loong-Fah Cheong, Angelica I. Aviles-Rivero, **Qingnan Fan**, Carola-Bibiane Schönlieb.  
ICCV, 2019.
- 2019: Mirror, Mirror, on the Wall, Who's Got the Clearest Image of Them All? - A Tailored Approach to Single Image Reflection Removal.  
Daniel Heydecker, Georg Maierhofer, Angelica Aviles-Rivero, **Qingnan Fan**, Dongdong Chen, Carola-Bibiane Schönlieb, Sabine Süsstrunk.  
TIP, 2019.
- 2019: GraphX<sup>NET</sup> – Chest X-Ray Classification Under Extreme Minimal Supervision.  
Angelica Aviles-Rivero, Nicolas Papadakis, Ruoteng Li, Philip Sellars, **Qingnan Fan**, Robby Tan, Carola Schoenlieb.  
MICCAI, 2019.
- 2019: Gated Context Aggregation Network for Image Dehazing and Deraining.  
Dongdong Chen, Mingming He, **Qingnan Fan**, Jing Liao, Liheng Zhang, Dongdong Hou, Lu Yuan, Gang Hua.  
WACV, 2019.
- 2018: Image Smoothing via Unsupervised Learning.  
**Qingnan Fan**, Jiaolong Yang, David Wipf, Baoquan Chen, Xin Tong.  
SIGGRAPH Asia, 2018.
- 2018: Decouple Learning for Parameterized Image Operators.

**Qingnan Fan\***, Dongdong Chen\*, Lu Yuan, Gang Hua, Nenghai Yu, Baoquan Chen.  
ECCV 2018.

2018: Revisiting Deep Intrinsic Image Decompositions.

**Qingnan Fan**, Jiaolong Yang, Gang Hua, Baoquan Chen, David Wipf.  
CVPR 2018 (Oral).

2017: A Generic Deep Architecture for Single Image Reflection Removal and Image Smoothing.

**Qingnan Fan**, Jiaolong Yang, Gang Hua, Baoquan Chen, David Wipf.  
ICCV 2017.

2015: JumpCut: Non-Successive Mask Transfer and Interpolation for Video Cutout.

**Qingnan Fan**, Fan Zhong, Dani Lischinski, Daniel Cohen-Or, Baoquan Chen.  
SIGGRAPH Asia 2015.

2014: Build-to-Last: Strength to Weight 3D Printed Objects.

Lin Lu, Andrei Sharf, Haisen Zhao, Yuan Wei, **Qingnan Fan**, Xuelin Chen, Yann Savoye, Changhe Tu, Daniel Cohen-Or, Baoquan Chen.  
SIGGRAPH 2014.

## TALKS

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JAN. 2019 | Deep Learning in Computational Photography

USC ICT, UW Reality Lab, Berkeley, Stanford, Google, MSR 2019, US

DEC. 2018 | Deep Learning for Single Image Artifact Removal

ACCV Tutorial 2018, Australia

DEC. 2018 | Image Smoothing via Unsupervised Learning

SIGGRAPH Asia 2018, Japan / GAMES Webinar

AUG. 2018 | Discovering Unsupervised Learning in Image Processing

CIA, Cambridge University, UK

JUN. 2018 | Revisiting Deep Intrinsic Image Decomposition

CVPR 2018, USA

NOV. 2015 | Interactive Real-time Video Segmentation

SIGGRAPH Asia 2015, Japan

## AWARDS

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- 2019 Outstanding Academic Achievement Award of Shandong University
- 2018 Academic Star Nominee of Shandong University (10/20000)
- 2018 National Scholarship
- 2016 Outstanding Academic Achievement Award of Shandong University
- 2015 Presidential Scholarship of Shandong University (35/20000)  
(Highest honor for students in SDU, only 35 elected among around 20000 candidates)
- 2015 National Scholarship
- 2015 Pacemaker to Outstanding Graduate Student of Shandong University