

Qingnan FAN

PERSONAL DATA

NAME IN PINYIN: Qingnan Fan
NAME IN CHINESE: 樊庆楠
GENDER: Male
DATE OF BIRTH: 21 March, 1991
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INTERESTS: Computer Vision, Computer Graphics

EDUCATION

SEP. 2014 - JUN. 2019 Ph.D., Computer Science and Technology, Shandong University
Advisor: Prof. Baoquan Chen
Research Focus: Image Processing, Computational Photography
SEP. 2010 - JUL. 2014 B.E., Software Engineering, Shandong University

RESEARCH EXPERIENCES

APR. 2018 - NOW	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 and Hebrew University of Jerusalem Collaborator: Prof. Daniel Cohen-Or and Prof. Dani Lischinski.
OCT. 2014 - NOV. 2014	Visiting Student in Tel Aviv University and Hebrew University of Jerusalem Collaborator: Prof. Daniel Cohen-Or and Prof. Dani Lischinski.

JUN. 2014 - JUL. 2014	Visiting Student in Tel Aviv University and Hebrew University of Jerusalem Collaborator: Prof. Daniel Cohen-Or and Prof. Dani Lischinski.
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PUBLICATIONS

- 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: A General Decoupled Learning Framework for Parameterized Image Operators.
Qingnan Fan, Dongdong Chen, Lu Yuan, Gang Hua, Nenghai Yu, Baoquan Chen.
TPAMI, 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^{NET} – 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

JAN. 2019	Deep Learning in Computational Photography USC ICT, UW Reality Lab, Berkeley, Stanford, Google, MSR 2019, US
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DEC. 2018	Deep Learning for Single Image Artifact Removal ACCV Tutorial 2018, Australia
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DEC. 2018	Image Smoothing via Unsupervised Learning SIGGRAPH Asia 2018, Japan / GAMES Webinar
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AUG. 2018	Discovering Unsupervised Learning in Image Processing CIA, Cambridge University, UK
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JUN. 2018	Revisiting Deep Intrinsic Image Decomposition CVPR 2018, USA
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NOV. 2015	Interactive Real-time Video Segmentation SIGGRAPH Asia 2015, Japan
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AWARDS

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