

Junlin Han

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EDUCATION

Australian National University

Bachelor of Information Technology (Honours)

GPA: 3.95/4.0

Canberra, Australia

2019 – 2023

RESEARCH INTERESTS

My research interests mostly lie in computer vision & computer graphics, and I'm always looking for ways to apply graphics techniques to vision, or vice versa.

My work span learning for content creation, learning for visual perception, and learning for scene understanding.

EXPERIENCE

Research Intern

Data61, CSIRO

Advisors: Dr. Lars Petersson and Prof. Hongdong Li

07.2020 – 12.2021

Canberra, Australia

Topics: Low-level vision and Generative models

PUBLICATION

I open-source the code and datasets of all my first-authored papers. They are available at [GitHub](#).

- Blind Image Decomposition
Junlin Han, Weihao Li, Pengfei Fang, Chunyi Sun, Jie Hong, Mohammad Ali Armin, Lars Petersson, Hongdong Li
Coming soon.
- Underwater Image Restoration via Contrastive Learning and a Real-world Dataset
Junlin Han, Mehrdad Shoeiby, Tim Malthus, Elizabeth Botha, Janet Anstee, Saeed Anwar, Ran Wei, Mohammad Ali Armin, Hongdong Li, Lars Petersson
Under review, TGRS
- Wholistic Segmentation: Learning to Segment Every Pixel
Hong Jie, Weihao Li, **Junlin Han**, Mehrtash Harandi, Lars Petersson
Under review
- Single Underwater Image Restoration by contrastive learning
Junlin Han, Mehrdad Shoeiby, Tim Malthus, Elizabeth Botha, Janet Anstee, Saeed Anwar, Ran Wei, Lars Petersson, Mohammad Ali Armin
IEEE International Geoscience and Remote Sensing Symposium (IGARSS) (*Oral*), 2021
- Dual Contrastive Learning for Unsupervised Image-to-Image Translation
Junlin Han, Mehrdad Shoeiby, Lars Petersson, Mohammad Ali Armin
New Trends in Image Restoration and Enhancement workshop (NTIRE), *CVPRW* (*Oral*), 2021

SERVICES

Conference review: NTIRE (CVPRW) 2021

Journal review: Photonics Journal (PJ) 2021

TECHNICAL SKILLS

Languages: Proficient in Python, MATLAB

Familiar with Java, SQL, HTML/CSS, R, Haskell, Assembly (ARMV7)

Developer Tools: Git, Latex, VS Code, Visual Studio, PyCharm, IntelliJ, Jupyter Notebook

Libraries: PyTorch, NumPy

AWARDS

Second Best Presentation Award

2021

AIM (Active Integrated Matter) Conference

Top-up Scholarship

2021

for research work at Data61, CSIRO

Undergraduate Vacation Scholarship

2020

for summer research at Data61, CSIRO