Junlin Han

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EDUCATION

Australian National University   Canberra, Australia
Bachelor of Advanced Computing (Honours)   *Feb. 2019 – Nov. 2022*
GPA: 4.0/4.0   First Class Honours

RESEARCH INTERESTS

My research interests mostly lie in computer vision & computer graphics, aiming to develop simple yet efficient tools to solve challenging vision & graphics problems. In detail:

Image-to-image translation, generative models, low-level vision, contrastive learning and self-supervised representation learning, implicit neural representations.

EXPERIENCE

Research Intern   Jul. 2020 – Present
Data61, CSIRO   *Canberra, Australia*
Advisors: Dr.Lars Petersson and Prof.Hongdong Li   Topics: low-level vision and GANs

PUBLICATION

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

SERVICES

Membership: IEEE Student Member
Reviewer: NTIRE (CVPRW) 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

Undergraduate Vacation Scholarship   Nov. 2020
for summer research at Data61, CSIRO   40,686 AUD per annum