Junlin Han

phone: +61 0406968715 | webpage: https://junlinhan.github.io/ | email: junlin.han@data61.csiro.au

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, and I'm always looking for ways to apply graphics techniques to vision, or vice versa.

My projects span learning for content creation, learning for visual perception, and learning for scene understanding. Inspired by past research in signal processing, I'm mostly focusing on defining a new vision task at present.

EXPERIENCE

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

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