Junlin Han

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

EDUCATION

Australian National University <div align="right">Canberra, Australia</div>
Bachelor of Advanced Computing (Honours) <div align="right">Feb. 2019 – Nov. 2022</div>
GPA: 4.0/4.0 <div align="right">First Class Honours</div>

RESEARCH INTERESTS

My research interests mostly lie in computer vision & machine learning (usually deep learning), aiming to develop simple yet efficient tools to solve challenging computer vision problems. In detail:

Image-to-image translation, generative models, (hazy, rainy, underwater) image restoration and enhancement, contrastive learning and self-supervised representation learning.

EXPERIENCE

Research Intern <div align="right">Jul. 2020 – Present</div>
Data61, CSIRO <div align="right">*Canberra, Australia*</div>
Advisors: Dr.Lars Petersson and Prof.Hongdong Li <div align="right">Topics: low-level vision and GANs</div>

PUBLICATION

- 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.

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 <div align="right">Nov. 2020</div>
for summer research at Data61, CSIRO <div align="right">40,686 AUD per annum</div>