

Junlin Han

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EDUCATION

Australian National University

Bachelor of Advanced Computing (Honours)

GPA: 6.46/7.00, 4.0/4.0 (US standard, scaled by WES)

Canberra, Australia

Feb. 2019 – Nov. 2022

First Class Honours

RESEARCH INTERESTS

My research interests 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

Data61, CSIRO

Advisor: Dr.Shoeiby Mehrdad and Dr.Lars Petersson

Jul. 2020 – Present

Canberra, Australia

PUBLICATION

- **Junlin Han**, Mehrdad Shoeiby, Tim Malthus, Elizabeth Botha, Janet Anstee, Saeed Anwar, Lars Petersson, Mohammad Ali Armin "Single Underwater Image Restoration by contrastive learning". Under review.
We constructed the first large-scale underwater image dataset and introduced contrastive learning for underwater image restoration.
- **Junlin Han**, Mehrdad Shoeiby, Lars Petersson, Mohammad Ali Armin, "Dual Contrastive Learning for Unsupervised Image-to-Image Translation". Under review.
We developed a novel method that achieves the new state-of-the-art results for unsupervised image-to-image translation.

SERVICES

Membership: IEEE Student Member

Reviewer: NA

TECHNICAL SKILLS

Languages: Proficient in Python, MATLAB, Java

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

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

Libraries: PyTorch, pandas, NumPy, Matplotlib

AWARDS

Undergraduate Vacation Scholarship

for summer research at Data61, CSIRO

Nov. 2020

40,686 AUD per annum