

# YASONG DAI

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## Education

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### Australian National University

PhD in Computer Science

Advisor: Prof. Hongdong Li, Dr. Zeeshan Hayder

March 2024 - Present

### Australian National University

M.S. in Machine Learning and Computer Vision

Advisor: Prof. Liang Zheng

December 2023

### Tsinghua University

B.S. in Engineering

Advisor: Prof. Haoyun Wei

June 2021

## Publication

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**Yasong Dai**, Zeeshan Hayder, David Ahmedt-Aristizabal, and Hongdong Li. “BiFM: Bidirectional Flow Matching for Few-Step Image Editing and Generation.” **CVPR 2026**.

## Work Experience

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### Australian National University

Casual Academic Tutor in School of Computing

February 2024 - June 2024, February 2026 - June 2026

Canberra, Australia

- Conduct tutorials and support students in understanding core computer vision concepts, including image processing, feature extraction, and deep learning-based vision models. Conduct marking on assignments and exams.

### Department of Precision Instrument, Tsinghua University

Internship on computer generated holography (CGH)

July 2020 - September 2020

Beijing, China

- Design the optical path of the digital holographic imaging system and iteratively debug; Use MATLAB to compute and generate CGH patterns from an existing CGH system; Improve the imaging quality of digital holographic imaging system.
- Outcome: Formalize an internship report and an oral presentation.

## Awards

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### Data61 PhD Scholarship

Jan 2024

- Data61, Commonwealth Scientific and Industrial Research Organisation

### Sports Merit Scholarship

Oct 2020

- Department of Precision Instrument, Tsinghua University

## Professional Skills

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### Computer Languages

Python, C++, MATLAB

### Software

PyTorch, Latex, Git, Microsoft Office