

HAO WANG

130 5518 2469 ◊ hwan7885@uni.sydney.edu.au ◊ GitHub ◊ Website

EDUCATION

University of Sydney 2022-
Doctor of Philosophy (Engineering)

University of Sydney 2017-2021
Bachelor of Information Technology (Honours) in Computer Science
Honours Class: WAM: 88.6/100 (High Distinction), First Class

EXPERIENCE

BMIT Research Group November 2019 - Present
Research Assistant *University of Sydney*

- I am responsible for the research of project named *AI-based Remote Patient Monitoring System using Facial Videos* under the supervision of Prof. Jinman Kim and Dr. Euijoon Ahn. In this project, my work was developing an algorithm to remotely estimate patients' heart rate with low-end RGB videos in a clinic environment. The paper of algorithm (as first author) was developed and published at AAAI-22. Currently, a validation study ethic for clinical usage is under the review by our partner hospital and I am working as the coordinator.

University of Sydney March - July 2019
Academic Tutor *Sydney, NSW*

- My responsibility was to tutor students with the foundation of programming concepts in Java and the necessary skills to develop software in Java.

TECHNICAL SKILLS

- Proficient with Python, and familiar with C++.
- Proficient with PyTorch and related computer vision packages.

PUBLICATION

- Wang, Hao, Euijoon Ahn and Jinman Kim. "SLF-WSI: A Multi-resolution Self-supervised Representation Learning Framework for Semantic Segmentation in Histopathology Whole Slide Images." (in progress).
- Wang, Hao, Euijoon Ahn and Jinman Kim. "Self-Supervised Representation Learning Framework for Remote Physiological Measurement Using Spatiotemporal Augmentation Loss." AAAI (2022).

AWARDS

Faculty of Engineering Research Scholarship 2022
University of Sydney

Scholarship to provide tuition waiver and stipend.

School of Computer Science Undergraduate Prize for Outstanding Academic Achievement in Fourth Year 2022
University of Sydney

Prize for outstanding honours students.

School of Computer Science Undergraduate High Honour Roll 2022
University of Sydney

Prize for first class honours students.

Postgraduate High Honour Roll in Schoole of Computer Science 2020
University of Sydney

Achieve highest mark in INFO5992 Understanding IT Innovation.

Summer Research Scholarship in Faculty of Engineering 2020
University of Sydney

Scholarship for successful applicants of summer research program.

Summer Research Scholarship in Faculty of Engineering 2019
University of Sydney

Scholarship for successful applicants of summer research program.

Dean's List of Excellence in Academic Performance 2018
University of Sydney

Placement on the Dean's List of Excellence in Academic Performance on the basis of outstanding academic merit.

The University of Sydney Academic Merit Prize 2018
University of Sydney

Awarded to the highest performing undergraduate students in each faculty based on average marks (top 2% in the University of Sydney).

The University of Sydney Academic Merit Prize 2017
University of Sydney

Awarded to the highest performing undergraduate students in each faculty based on average marks (top 2% in the University of Sydney).