

HAO WANG

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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 was 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 (<https://arxiv.org/abs/2107.07695>). Currently, a validation study ethic for clinical usage is under the review by our partner hospital and I am working as the coordinator.

Sydney Imperial Polytechnic Institute

December 2020 - January 2021

Unit Writer

Sydney, NSW

- My responsibility was to writing a full set of teaching materials of Deep Learning, including the Lecture Slides, Tutorials, Assessment etc.

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.

University of Sydney

March - July 2018

Academic Mentor

Sydney, NSW

- My responsibility was to assisted first-year students enrolled in the school with the transition from high school to university by providing them with technical, personal and administrative area help. Assisting tutors to teach students to understand the new concept in Python programming.

PUBLICATION

- Wang, H., Ahn, E., Kim, J. (2022). Self-Supervised Representation Learning Framework for Remote Physiological Measurement Using Spatiotemporal Augmentation Loss. AAAI.

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 School 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).