

Minghao Wang

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Kowloon, Hong Kong SAR

Latest Update: 4th Feb, 2026

EDUCATION

Hong Kong University of Science and Technology

Doctor of Philosophy, Bioengineering (Scientific Computing Concentration)

September 2023 – Present

- Supervisor: Prof. WANG, Jiguang, Prof. CHEN, Hao
- HKUST RedBird Academic Excellence Award 2024/25 (20,000 HKD) 2024 - 2025

Hong Kong University of Science and Technology

Master of Science, Big Data Technology

September 2022 – July 2023

- Awards:
 - BDT Excellent Student Scholarship 2022 (top 10%, 10,000HKD) 2022 - 2023
- Main course: Mathematical Methods for Data Analysis (A+), Quantitative Analysis of Financial Time Series (A+), Machine Learning (A+), Computer Vision (A), ...

Southeast University

Bachelor of Science, Computer Science and Technology (Artificial Intelligence)

August 2018 - June 2022

- Awards:
 - Lenovo Research Scholarship (top 5%, 5,000 CNY) 2020 - 2021
 - Huawei Scholarship (top 10%, 5,000 CNY) 2020 - 2021
- Main course: Reinforcement Learning (95), Pattern Recognition (93), Knowledge Representation (93), Deep Learning (93), Natural Language Processing (90), ...

Publications (During Current PhD Study)

- Zongchao Mo†, Mei Yang†, Zhihan Zhu†, **Minghao Wang**†, ..., Jiguang Wang*, Zaiyi Liu*. "Multi-omics integration reveals subtype-specific predictors of neoadjuvant treatment response in breast cancer" in *Science Advances*, vol. 11, issue 27, doi: 10.1126/sciadv.adu1521.
- Luyang Luo, Xin Huang, **Minghao Wang**, Zhuoyue Wan and Hao Chen "Medical Image Debiasing by Learning Adaptive Agreement from a Biased Council" in *Medical Image Analysis*, vol. 105, 103629, 2025, doi: 10.1016/j.media.2025.103629.
- Yuting He, Fuxiang Huang, Xinrui Jiang, Yuxiang Nie, **Minghao Wang**, Jiguang Wang and Hao Chen "Foundation Model for Advancing Healthcare: Challenges, Opportunities and Future Directions" in *IEEE Reviews in Biomedical Engineering*, vol. 18, pp. 172-191, 2025, doi: 10.1109/RBME.2024.3496744. Impact Factor: 17.2

LEADERSHIP SKILLS

- Organize [Biomedical Data Science, AI and Medicine \(BAM\) workshop 2024](#), [Single-Cell and Spatial Omics: Methods and Applications workshop 2024](#). These workshops attracted more than 100 researchers to attend.
- Help to organize [Mini Workshop on Precision Medicine of CNS Tumors](#) and [Biomedical Data Science, AI and Medicine \(BAM\) Workshop, 2025 & 1st Annual Meeting of the Bioinformatics Society of Hong Kong, 2025](#).

PERSONAL SKILLS & ACTIVITIES

- Computer: Microsoft Office Suite, Tableau
- Language: Mandarin (Native), English, Cantonese
- Programming: Python, C++, R, Linux, LaTeX