Minghao Wang

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Kowloon, Hong Kong SAR

Latest Update: 1ˢᵗ April, 2025

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
- Nominated to Best TA Award 2025 (Not yet interviewed)

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 (co-first author, in second-round minor revision).
- 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 2025 (accepted).*
- 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 two workshops attracted more than 100 researchers to attend.
- Help to [organize Mini Workshop on Precision Medicine of CNS Tumors](#).

PERSONAL SKILLS & ACTIVITIES

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