

Trustworthy AI for Healthcare



Description:

The Smart Lab led by Prof. Hao Chen from The Hong Kong University of Science and Technology is recruiting **PhD students, postdoctoral fellows, research assistants, interns, visiting scholars and other research positions**. Prof. Chen is committed to the research and application of cutting-edge technologies in the interdisciplinary field of **artificial intelligence and medicine**. He has rich academic as well as industrial experience and provides sufficient resources for the research group members.

Who We Are

The **Hong Kong University of Science and Technology (HKUST)** is a top and internationally renowned research university (ranked 34th in the world in the 2022QS World University Rankings). HKUST is located on the Clear Water Bay in Hong Kong. It is built on the mountain facing the sea and has an ideal research environment. The Department of Computer Science and Engineering of HKUST ranks among the best in the world ranking of computer science and engineering.

Prof. Hao Chen is an Assistant Professor at the Department of Computer Science and Engineering and Department of Chemical and Biological Engineering, The Hong Kong University of Science and Technology. He leads the Smart Lab focusing on developing trustworthy AI for healthcare. He received the Ph.D. degree from The Chinese University of Hong Kong (CUHK) in 2017. He was a postdoctoral research fellow in CUHK and a visiting scholar in Utrecht University Medical Center previously. He has 100+ publications (Google Scholar Citations 17600+, h-index 59) in MICCAI, IEEE-TMI, MIA, CVPR, AAI, Radiology, Lancet Digital Health, Nature Machine Intelligence, JAMA, etc. He also has rich industrial research experience (e.g., Siemens and startups), and holds a dozen of patents in AI and medical image analysis. He received several premium awards such as

MICCAI Young Scientist Impact Award in 2019, Forbes China 30 under 30 and three best paper awards. He serves as the Associate Editor of multiple journals including IEEE Transactions on Neural Networks and Learning Systems, Journal of Biomedical and Health Informatics, Neurocomputing, Computerized Medical Imaging and Graphics, Medical Physics, etc. He serves as the program committee of multiple international conferences including Area Chair of MICCAI 2021-2022, ISBI 2022, MIDL 2022 and SPC of AAAI 2022, etc. He also led the team winning 15+ medical grand challenges.

Homepage: <https://cse.hkust.edu.hk/~jhc/>

Google Scholar: https://scholar.google.com.hk/citations?user=Z_t5DjwAAAAJ&hl=en

Recruitment Details

PhD students are mainly for admission in the **spring or fall of 2023**, and a full scholarship (about HKD 18,500 per month) will be provided, and those who are particularly outstanding are recommended to apply for the Hong Kong PhD Fellowship Scheme (HKPFS). The amount of the HKPFS is around HKD26,600 per month, plus a travel allowance of HKD13,300 each year. In addition, HKUST gives each awardee a one-time reward of HKD40,000. For more details, please refer to postgraduate admission page: <https://cse.hkust.edu.hk/pg/admissions/>

Postdoctoral fellows holding a doctorate in medical image analysis, artificial intelligence or computer vision are welcome. The requirements are as follows:

1. Strong programming in deep learning frameworks, e.g., Pytorch, Tensorflow, etc.
2. Experience in medical image analysis or machine learning projects is preferred.
3. Publications in top-tier AI or medical image analysis conferences/journals such as MICCAI, CVPR, TMI, MIA, AAAI, IJCAI, etc, are preferred.
4. **Strong self-motivation and curiosity** are preferred.

For undergraduate and master students, **research positions such as intern and research assistant** are also available. A minimum of 6 months is required (remote mode is also acceptable).

How to Apply

Interested candidates are welcome to send their resumes, transcripts and other relevant materials to Prof. Chen's email: jhc@ust.hk. Please indicate the application position in the subject of email.