Research Scientist – AI for Healthcare

The **Institute of High Performance Computing (IHPC)**, Agency for Science, Technology and Research (**A*STAR**) in Singapore was established in April 1998 to provide leadership in high performance computing as a strategic resource for scientific inquiry and industry development. Our mission is to advance science and technology, and develop leading-edge applications through high performance computing and computational science. We have long-term ties with industry partners, including multinational companies and local SMEs, which ensures that our R&D activities stay focused and relevant to real-world needs. We also have active cooperation with the world's top academics and academic institutions.

We are looking for highly motivated individuals who are able to work independently and yet are good team players, possess excellent analytical, technical and problem-solving skills, good technical writing and presentation skills. If you share our interests in solving challenging scientific problems, we welcome you to apply for the following position.

Research Scientist (AI for Healthcare)

- Build world-class capabilities and excellence in **Digital Health AI** to be recognized by international research communities.

- Work with scientists in IHPC and clinical collaborators to advance research and digital transformation in healthcare, and publish high-impact papers to advance science (We have published several works in *New England Journal of Medicine, The Lancet Digital Health, Nature Medicine, IEEE TPAMI, etc*.).

- Execute programmes to ensure timely delivery of project milestones with high-quality outcomes.

Requirement

- Hold a Ph.D. degree in computer science, statistics, applied mathematics, data science or other related disciplines.

- Proven experience in Computer Vision, Deep Learning, Medical Image Analysis, or related fields.

- First-author publications at peer-reviewed AI conferences (e.g., *CVPR, ICCV, ICML, NeurIPS, ICLR*) and journals (e.g., *TPAMI, IJCV, TIP, TMI*).

- Knowledge in one of the AI programming frameworks, e.g., PyTorch, TensorFlow.

- Received best paper or equivalent awards in the high-quality conferences, or winner of international academic competitions (preferred).

If you are interested in working with us, please send your CV to:

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