

March 23, 2025

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To whom it may concern,

As Yifeng Wang's Ph.D. supervisor, I have witnessed his outstanding performance during his doctoral studies at Harbin Institute of Technology, Shenzhen Campus. I have a deep understanding of his research capabilities, academic potential, and personal qualities. Yifeng has demonstrated a solid foundation in mathematics, exceptional innovative abilities, and a strong passion for research during his Ph.D. studies.

In terms of academic research, Yifeng is dedicated to constructing an artificial intelligence framework embedded with physical laws, endowing deep learning models with stronger physical perception and motion understanding capabilities. This work breaks through the cognitive boundaries dominated by traditional text and image modalities, providing a new methodological foundation for machines to understand the physical world. He has published over 30 papers in top journals and conferences such as IEEE TIP, TMI, IEEE TII, NeurIPS, ICCV, AAAI, and IJCAI, with one paper cited over 800 times. He has systematically solved key problems such as noise suppression, over-range reconstruction, and three-dimensional motion tracking of low-precision inertial sensor signals. His related achievements have been evaluated by international peers as "methodological breakthroughs with great engineering application value."

He has led projects such as the "Youth Fund for Theory and Application of Full-Drive Systems" and the "Guangdong Provincial Science and Technology Innovation Strategy Special Fund (Climbing Plan)," applied for 19 invention patents, and developed specific action recognition systems and trajectory reconstruction algorithms that have been validated in industrial inspection and human-computer interaction scenarios. Particularly commendable is his interdisciplinary collaboration ability, demonstrating a broad academic vision in cooperative research on medical image stain transfer and whole-slide pathological image analysis. His participation in the Hong Kong Laureate Forum would provide him with a unique opportunity to engage with Nobel laureates and other distinguished scientists, further broadening his academic horizons and fostering potential collaborations that could lead to groundbreaking research in AI and industrial intelligence.

As the first chairman of the Student Union of the School of Science at Harbin Institute of Technology, Shenzhen Campus, he led the establishment of the "Hongli Cup" Mathematical Modeling Competition and a series of academic lectures, and his leadership and sense of social responsibility are evident to all.

Considering his solid theoretical foundation, keen innovative thinking, outstanding ability to transform research results, and team collaboration spirit, I am convinced that Yifeng Wang will become a leading talent in the interdisciplinary field of artificial intelligence and industrial intelligence. I believe that Yifeng's innovative spirit and dedication to advancing AI research make him an ideal candidate for the Hong Kong Laureate Forum, where he can contribute to and benefit from the exchange of ideas with the world's leading scientists. I hereby recommend him.

Please do not hesitate to contact me if you require any additional information.

Sincerely,

A handwritten signature in black ink, consisting of stylized Chinese characters, likely '赵毅' (Zhao Yi), followed by a long horizontal flourish.