



南开大学
Nankai University

To whom it may concerns

Recommendation of applicant: Hai Jiang

February 15, 2025

Dear Madam/Sir,

It is with great pleasure that I recommend Mr. Hai Jiang for admission to your esteemed program. As his academic advisor during his graduate studies at the School of Mathematical Sciences, Nankai University, I have closely observed his intellectual growth and am confident in his potential to excel in advanced academic pursuits.

Hai Jiang distinguished himself as an exceptional student in Computational Mathematics, consistently demonstrating analytical rigor, creativity, and dedication. His senior thesis, *"GANs-Based Personal Style Imitation of Chinese Handwritten Characters,"* exemplifies his technical prowess and innovative thinking. In this project, he successfully adapted CycleGANs to replicate personalized Chinese handwriting styles and introduced Deformable Convolutional Networks to refine character generation quality. These contributions highlight not only his mastery of deep learning and mathematical modeling but also his ability to tackle complex interdisciplinary challenges.

Beyond his academic achievements, Hai possesses remarkable personal qualities. He is highly self-motivated, frequently seeking additional resources to deepen his understanding of mathematical theories and AI applications. In collaborative projects, he has proven to be a reliable team member, balancing independent work with constructive group contributions. His open-mindedness and excellent communication skills enable him to engage effectively with both peers and faculty, fostering a productive academic environment.

I am confident that Hai Jiang will make significant contributions to your academic group. His passion for learning, technical expertise, and strong work ethic position him as an outstanding candidate. Please do not hesitate to contact me if you require further information.

Sincerely,

Prof. Yunhua Xue

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Tel: +86 22-23503633



中山大學
SUN YAT-SEN UNIVERSITY

February 18, 2025

Admissions Committee

To Whom It May Concern:

It is with great pleasure that I recommend Mr. Hai Jiang, a talented research assistant in my Computational Medical Imaging Laboratory (CMILAB) at Sun Yat-sen University, for admission to your esteemed program. As a Full Professor in the School of Computer Science and Engineering and a former Research Investigator at the University of Michigan's Department of Radiology, I have mentored numerous researchers and am confident in assessing candidates' potential for rigorous academic environments.

Hai Jiang has been an indispensable member of my team, demonstrating exceptional aptitude in medical imaging and deep learning. His work on improving diagnostic accuracy for Placenta Accreta Spectrum (PAS) exemplifies his technical ingenuity. By designing a novel algorithm, he elevated the diagnostic AUC to over 80%, a significant advancement for clinical decision-making. Additionally, he developed a CNNs-based diagnostic model for detecting sentinel axillary lymph node metastasis in breast cancer, showcasing his versatility in applying AI to diverse medical challenges.

Beyond technical expertise, Hai exhibits remarkable intellectual curiosity and perseverance. His ability to independently troubleshoot complex problems and synthesize interdisciplinary knowledge—spanning radiology, computer vision, and clinical medicine—sets him apart. Notably, his paper on medical image analysis was accepted and presented at the prestigious IEEE International Symposium on Biomedical Imaging (ISBI 2025), a testament to his research rigor and communication skills.

Hai's creativity, work ethic, and dedication to advancing healthcare through technology align seamlessly with the goals of cutting-edge academic programs. I am confident that Hai Jiang will not only thrive in your program but also emerge as a leader in his field. His blend of analytical rigor, technical proficiency, and passion for innovation makes him an outstanding candidate. For any further inquiries, please contact me at luyao23@mail.sysu.edu.cn or (+86) 18664509325.

Sincerely,

Yao Lu, PhD

A handwritten signature in black ink, appearing to read 'Yao Lu'.

Professor
School of Computer Science and Engineering
Sun Yat-sen University, Guangzhou, China

To whom it may concern

Recommendation of Mr. Hai Jiang

2025/2/16

Dear Sir or Madam,

I am delighted to recommend Mr. Hai Jiang for admission to your doctoral program. Over the past two years, I have had the privilege of working with Mr. Jiang as his primary research collaborator at the Computational Medical Imaging Lab (CMILAB) at Sun Yat-sen University. In this capacity, I have witnessed firsthand his intellectual rigor, technical ingenuity, and exceptional leadership skills.

Mr. Jiang combines deep theoretical understanding with applied technical mastery. His contributions to two significant projects showcased his advanced computational proficiency with tools such as Python, TensorFlow/Keras, PyTorch, and MATLAB. He effectively integrated medical imaging principles—for instance, MRI and CT reconstruction—with modern machine learning techniques. His research aptitude is further evidenced by his first-authored conference paper, which was accepted at ISBI 2025.

In addition to his technical skills, Mr. Jiang is an innovative problem-solver. He redesigned our laboratory's classification pipeline, resulting in a 9% improvement in AUC. Furthermore, he successfully led a multidisciplinary team of clinicians, radiologists, and engineers to complete a dual-energy CT project. His ability to bridge diverse fields and manage collaborative efforts highlights his readiness for the challenges of doctoral study.

Mr. Jiang's motivation, self-discipline, and resilience are equally impressive. He consistently approaches setbacks with composure and a methodical mindset, analyzing challenges and developing creative solutions. His proactive communication and unwavering commitment to scientific rigor make him an outstanding candidate for your program.

I am confident that Hai possesses the intellectual foundation, technical expertise, and personal drive necessary to excel in your doctoral program. I wholeheartedly endorse his application and am available to provide further information if needed.

Sincerely,

Yuanpin Zhou

Yuanpin Zhou

