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Dear Admission Committee,

As a professor at Fuzhou University, I take distinct sincerity in writing this reference letter to highly recommend Hanlin Cai, one of the most exceptional students I have ever had, to pursue a master's degree for further study. Over the last several years, we had frequent communication. From my standpoint, as his project supervisor and graduation thesis mentor, I could see that Hanlin's potential and comprehensive capabilities have distinguished him from his schoolmates.

Since October 2021, I have got to become familiar with Hanlin especially as his steering into the Provincial Key Laboratory of Industrial Automation Control Technology and Information Processing as my research assistant. Under my guidance, not only did he actively participate in various research projects and authoritative competitions at home and abroad, but he had almost received great achievements and awards in each project and competition, which definitely is sufficient to illustrate his academic ability. Especially, during our time in the research project about "Hybrid Detection Mechanism for Spoofing Attacks in Bluetooth Low Energy (BLE) Networks", I could see his strong research potential and academic writing ability. His efforts in developing the BLEGuard algorithm and establishing the BLE Network Testbed contributed greatly to the preparation of the final academic paper with original ideas and rich content (which was submitted to **AAAI 2024**).

Additionally, in the International Mathematical Contest in Modeling (**MCM 2023**), Hanlin led the team to prepare a high-quality English mathematical modeling thesis "Reshape the Crown-ing Glory of Maasai Mara" in a limited time. It stood out from the submitted 20,508 papers and won the Finalist Award (**top 1%**) due to the clear structure, original insights, accurate data, and strict logical thinking. Such achievement also proved Hanlin's strengths in academic writing and critical thinking. His excellent leadership through empowering and motivating members contributed to good results in the competition.

Worth mentioning is that Hanlin's leadership skills were further enhanced in the 9th China International Internet+ Innovation and Entrepreneurship Competition. Acted as the leader in the 24-member team, he coordinated the team to develop an innovative inspection system in the electric power industry and played a dominant role in penning the business plan. What

delighted me the most was that the eloquent presentation in the competition he delivered with confidence and elegance was the finishing touch. The creative project proposed by his team emerged among over 11,000 projects, ranking **top 3%**, which enabled the team to be a finalist. In almost all projects and competitions, his strong organizational ability and communication skills contributed to the enhancement of the team's work efficiency, active atmosphere, and exceptional achievement, which is extremely rare in my previous teaching.

As far as I am concerned, Hanlin is versatile, highly self-motivated, and well aware of the skills needed for enhancing his career prospects. Not only that, he is the **only one** who received both FEPPG Scholarship and XiamenAir Scholarship among all undergraduates that I have advised in the last 15 years, the two highest scholarships awarded to only 15 undergraduates each year at Fuzhou University. All of these achievements strongly showcase Hanlin's great academic potential. I believe he would be a positive addition to your prestigious university. Thus, through a comprehensive consideration, I wholeheartedly recommend Hanlin to study at your university.

Sincerely,

A handwritten signature in black ink, reading "Zhezhuang Xu". The signature is fluid and cursive, with the first name "Zhezhuang" and the last name "Xu" clearly distinguishable.

Zhezhuang Xu

