

Dear Admissions Officer,

My name is Zeng Qin Tao, a final-year undergraduate studying Computer Science at the University of Birmingham. Having a passion for using Artificial Intelligence and Machine Learning to make everyday life more convenient and secure, I wish to express my interest in further developing my skills and knowledge in the Computer Science and Engineering master's program at the Politecnico di Milano.

As part of my undergraduate studies, modules such as Neural Computation, Machine Learning and Natural Language Processing developed my understanding of AI methodologies and applications. Additionally, I had modules like Software Engineering, Security and Networks, Human Computer Interaction from which I learned the methods to create safe, user-centred applications.

Having participated in different individual and group projects, I applied my programming and Artificial Intelligence knowledge to develop practical solutions addressing real-world challenges. For example, "GreenScan", a mobile application designed to improve environmental sustainability using image recognition. Moreover, a project utilizing HCI principles to help people take the correct dosage of medication at the appropriate time. Currently, I am working on my thesis project involving the development of an interactive user-centred web application using Machine Learning models such as LSTM, GRU and BERT to implement sentiment analysis on career reviews, providing valuable career insights for Computer Science students in this competitive industry. The theoretical foundation in Computer Science combined with hands-on experience in AI not only helped me succeed academically but also sustained my enthusiasm for diving deeper into the field of Artificial Intelligence.

I was born in China and have lived in Hungary for more than a decade. This multicultural experience has strengthened my language skills and has broadened my perspective and improved my flexibility and teamwork ability in a variety of settings. Internship at SAIC Motor allowed me to automate logistics and sales processes using Python scripts. This experience not only strengthened my Python skills but also provided valuable industry insights.

I am particularly attracted to the Politecnico di Milano for its renowned faculty, innovative AI research and industrial collaboration. AI at Polimi is anything but a newcomer, Politecnico di Milano stands out as a pioneer in Artificial Intelligence since the establishment of the AIRLab in 1973. This long-standing discipline and expertise strongly align with my passion for using cutting-edge AI technologies to enhance quality of everyday life. I am excited to study at an institution with such a comprehensive history and strong reputation. The opportunity to study in such an intellectually vibrant environment, among like-minded peers, is incredibly appealing. I am certain that this master's program will provide me with the advanced knowledge and practical skills to contribute to the field of industry or academia.

Thank you for considering my application. I look forward to the possibility of contributing to and learning from the vibrant academic community at Politecnico di Milano.

Yours sincerely,

Zeng Qin Tao