

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 Eindhoven University of Technology.

Having lived in both Hungary and China for over a decade, I have gained a unique multicultural perspective that has shaped my adaptability and collaborative mindset. During my internship at SAIC Motor, I developed Python scripts to automate logistics and sales processes, giving me hands-on experience solving real-world business challenges.

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

Having participated in different projects, I applied my knowledge to develop practical solutions addressing real-world challenges. For example, "GreenScan", a mobile application designed to improve environmental sustainability using image recognition. Another example is a project designed to help people take the correct dosage of medication at the appropriate time. Currently, I am working on my thesis involving the development of an interactive user-centred web application using Machine Learning models such as LSTM 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 am particularly attracted to the Eindhoven University of Technology for its renowned faculty, innovative AI research, interdisciplinary approach and its strong industrial collaboration. As one of the most prominent research universities in the world, TU/e provides a community where students can interact with like-minded peers and collaborate on innovative projects. The opportunity to study in such an intellectually vibrant environment is incredibly appealing. I am certain that this master's program will provide me with the knowledge and practical, whether in industry or academia.

Looking to the future, my goal is to use the skills gained from inside and outside of the university contribute to industrial setting, particularly in automation and sustainability.

I look forward to the possibility of contributing to and learning from the vibrant community at Eindhoven University of Technology.

Yours sincerely,

Zeng Qin Tao