

Dear Admissions Committee,

I am Zhiyi Wang, a junior of Dalian University of Technology's School of Software (SSDT). I have studied software engineering at SSDUT since September, 2016. I believe I have the ability, spirit and proper temperament to participate in the Summer School of Engineering & Science. Here are a few of the reasons.

Curiosity and interest are the best teachers. Four years ago, I launched an app called NetEase Music. As I typically did back then, I opened the module to play music that matched my personal tastes. When listening to the daily selections, I was impressed that virtually every time I liked the songs. It was a wonderful feeling. I became curious why the choices could so mesh with my own tastes. I initially thought it was just a clever piece of software. But I came to realize that this experience enlightened me to the wonder of artificial intelligence (AI). Since then I have been intrigued by AI and have been exploring new applications for it. I have a particularly strong interest in the application of AI in wireless sensor networks (WRSN).

I read scientific and technical articles related to WRSN to understand the trends of artificial intelligence. As a university junior, I know that my base of knowledge is relatively modest, but I now have the motivation to explore more deeply.

Solid mathematical modeling and writing talent. I know the importance of studying mathematics as an undergraduate. I have a comprehensive understanding of calculus, linear algebra, mathematical statistics and abstract algebra. Yet I think it is far from enough to understand real mathematical concepts, so I focus on cultivating my mathematical modeling skills. Although sometimes clumsy, I use my knowledge to build mathematical models, gaining power and a sense of accomplishment.

As the leader of a mathematical modeling group, I led my teammates in many competitions. We achieved good results. We won second prize in the Asia-Pacific Mathematical Modeling Contest for establishing a model to evaluate and predict sleep quality, where I realized the power of neural networks in the field of data prediction. On the team, I was primarily responsible for model design, paper writing and typesetting. I used natural language, formulas and charts to describe algorithms and express my ideas.

The value of strong communications skills. In an intercultural communication class, I learned important concepts and how to survive in a cultural melting pot. I now understand different ways of thinking. I have no trouble communicating in English. I will take the TOEFL exam March 31.

More importantly, I am eager to learn different cultural traits and make friends with people of different backgrounds. Working in a multicultural environment, I can think from different perspectives and improve my creativity. Summer school offers another attractive opportunity for intercultural communication.

The outstanding study environment of Technion and my future plans. I have learned certain of the concepts and algorithms of artificial technology, and I hope to continue studying AI in a systematic and comprehensive way. Via the internet, the environment for studying at Technion looks very attractive to me, so I would like to pursue my master's or doctoral degrees at Technion. My dream and my passion are to study Machine Learning at the Israel Institute of Technology. Thank you for your time and consideration.

Sincerely,
Zhiyi Wang