

Source: [www.unipage.net](http://www.unipage.net)

Type: Motivation letter

Degree: Master

Major: Computer Science

University: Technical University Munich

Dear Admission Board,

A designer, singer, veterinarian — you name it. Like many girls, these were the roles that I wished to embody as a child. That is, until I saw a computer. It was from that moment, at the ripe age of five, that my future profession was determined. Each time my mother stepped away from the computer, it was my time to shine — like a day job, I spent every waking moment fidgeting with all of the various buttons, wires, metals, and plastics. When I grew older, I began to play computer games, but this did not suffice. I wanted to learn about the computer itself and understand every intricacy behind its structure.

Thus, I started to teach myself simple algorithms — I painted binary trees in C# forms using recursion, programmed several mainstream sorting algorithms, wrote simple calculators using guides from the internet, and so on. The more I studied, the more I realized that a huge number of social problems can be solved through programming. To this day, my main motivation is the desire to help society through Computer Science.

When the time came to pursue my bachelor's studies, I chose the Computer Science program at Yaroslavl State University. Of course, the theoretical training and curriculum laden with mathematics proved to be incredibly fruitful for my development, but the most life-changing knowledge I gained in the sphere was during a scientific conference on Artificial Intelligence and Machine Learning at the Artificial Intelligence Summer School after my freshman year. I had the opportunity to communicate with experts from every corner of the world, given that students and professors from various scientific labs came to this conference. My most memorable acquaintance was with a guy from South Korea who, while difficult to understand due to a distinct Korean accent, told me that he was working on the detection of cancer in its early stages with the help of artificial intelligence. This served as a striking epiphany for me, as I realized the great potential behind computing forces. Fast forward to today, and I am working as a backend developer at a medical startup, where we develop software to help patients rehabilitate after a stroke. It fills my heart knowing that the work I have been passionate about since the age of five has the power to help others.

That being said, the many facets of Computer Science go well beyond the material that was covered throughout my undergraduate studies and work experience. To solve pressing issues with the help of AI

and ML, it is necessary to have in-depth knowledge of algorithms and data structures, computer vision, image understanding, and software engineering. Granted, I believe Technical University Munich offers the perfect framework for me to continue my education and collaborate with experts in the ML industry.

TUM boasts one of the highest rankings among the world's universities, which is undoubtedly conducive to the vast and well-rounded Informatics curriculum. From a large selection of fundamentals, such as Parallel Programming and Scientific Computing, to deep-dives into specific branches — like Algorithmic Game Theory and Data Mining — TUM provides the means to develop abstract thinking and problem solving skills. Moreover, the endless student initiatives offered at the university ensure a bounteous and friendly learning environment, and it would be an honor for me to engage in the research of TUM.ai and promote the digital literacy of others as a TechLabs member. I would also love to work with Prof. Daniel Cremers, Prof. Debarghya Ghoshdastidar, and Prof. Angela Dai — I believe my ambition to relate computer vision to medicine can reach its full potential within the research community of TUM. In addition, I hold the numerous internship opportunities and Career Services at TUM in high regard, knowing that I will gain the practical skills and key qualifications necessary to pursue the career of my dreams.

Finally, I am highly motivated to study abroad — the ability to communicate and collaborate with many people from all over the world makes me believe that we can achieve a lot more together through an exchange of different mentalities and cultures. Due to the pragmatism, diligence, and responsibility of the German people, I find Germany to be among the best countries to receive a university education, especially in the exact sciences. I would also love to study in Germany simply because of its beauty — small towns covered in thirteenth-century cobblestone and majestic castles that look like they have been painted in a fairy tale book serve as a well of inspiration.

All in all, by choosing Technical University Munich, I am confident that I will develop both as an outstanding student and a person capable of advancing innovative computing solutions, and I will do my utmost to contribute to the pride of your university.

Sincerely,

(NAME)