

Statement of Purpose

Zheyu Jin

In return for my hard work at high school, I ranked 86th among hundreds of thousand peers in College Entrance Exam of Jilin Province, China. As a result, I entered School of Software at Beijing Institute of Technology, which is the tire one engineering school in the country. Being a curious freshman several years ago, it was my aspiration to be a computer scientist to work with colleagues from all over the world. Plus three years working experience as a software engineer after graduation, I found myself genuinely love technical field. In order to realize my career goal, which is to be a leading expert in the field, I am planning to enter a world-class university for further education. Though my specific research interest is yet to be defined, I am interested in data mining, software engineering and computer networks.

In the university, courses like Operating System, Computer Networks, Artificial Intelligence and Database Systems have gradually led me to a deep appreciation for computer science and technology. While working with peers to build various programs from a Sudoku solver to a lexical parser and a network port scanner, I gradually developed my enthusiasm for programming. In the summer of junior year, I organized a team with several friends to attend Robocup China Open 2009. We devoted the whole summer and fall for reading papers, discussing and coding, and in return, won a third place in the tournament. Though this was not an official research project within a laboratory, I was able to take a glimpse of joy and frustration doing real research can offer, and more importantly, I found myself really passionate about tasks involve extensive analyzing and reasoning.

To follow my passion, I decided to attend a graduate school in North America in my junior year. Although I received several admissions, I had to postpone the enrollment due to my unfavorable financial condition. Being an optimist, I was not discouraged by this drawback. Instead, I opted to go to the industry for several years as I reasoned it would offer me practical working experience and a deeper understanding of my field.

Thanks to my solid computer science background, I started my career as a software engineer in NexStreaming, a global leader of mobile multimedia solutions based in Seoul, South Korea. Working passionately in the industry for three years has allowed me to develop my communication skills in international environment and advanced technical capabilities, especially for *C/C++*, *Java* and *Android*. Also, I gained working knowledge of multimedia and streaming media protocols such as *HLS* and *Smooth Streaming*. Through giving spontaneous seminars on topics like *GCC compilation process & ELF file format* and *Android build system*, I developed more comprehensive understanding about computer and software systems. However, slowly I found my growth has reached a plateau and realized now it is time for further education.

Having my career goal in mind, what I expect from graduate education are superior academic exposure, instruction from field experts and communication with brilliant peers. I am attracted by Master of Computer Science program at University of Southern California for its international recognition, superior faculties, outstanding peers, and more importantly, because of promising career prospects. I think four years university education plus three years working experience have well prepared me as a strong candidate. I believe my decision to attend University of Southern California will prove to be wise.

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