**Goals**

My long-term goal is to work as a research engineer in one of the leading organizations in IT industry. After working for 2 years, I realized that my undergraduate education is insufficient to realize this goal. Therefore I would like to pursue further education in computer science. Consequently, my current short-term goal is to earn a master’s degree in computer science at a world-class university.

**Areas of Interests**

The area that strongly interests me is the artificial intelligence, specifically data mining, machine learning, and natural language processing. I would like to study artificial intelligence because it is the major field of research in industry and it is going to play a vital role in future IT systems.

**CS Background**

Through four year’s undergraduate education in School of Software at Beijing Institute of Technology, one of the premier universities in China, I had firmly grasped fundamentals in computer science. My curriculum covered classical computer science courses like programming language, data structure and algorithm, compiler theory, operating system, computer network, and computer architecture. Plus two years’ working experience, I gained solid programming skills.

**Industry Experience**

Currently I have been working as a software engineer for two years at Nexstreaming Corporation in South Korea, which is the global leader of mobile multimedia solution. I believe this experience has made me a professional and helped in further developing my capabilities which surely will be a plus to my graduate education. These capabilities include programming skills, overall comprehension of computer and software systems, communication skills and emotional maturity to carry out complex tasks with people,

**Why Waterloo?**

I first heard about the University of Waterloo from a brilliant colleague of my team, who is a Waterloo computer science alumnus, and through searching the internet I found that the David R. Cheriton School of Computer Science is renowned for its high academic reputation, respectable faculties and brilliant students. What also strongly interest me are its reputed co-op programs with industry, active research groups and abundant opportunities to receive financial aids. Realizing that the environment is vital to the development of a person, I would definitely choose Waterloo, which provides the most favorable environment, to carry out my graduate study.

**Conclusion**

As the first generation of my family to attend a college, I realized how important my undergraduate education is. Also, I can envision what a graduate education means to my future life and career. Therefore I am keen to seize this opportunity to undergo a systematic education. Hope I could be given a favorable consideration for admission to your graduate program.