Stevens Institute of Technology

Master of Science in Data Science

https://www.stevens.edu/schaefer-school-engineering-science/departments/computer-science/graduate-programs/machine-learning-masters-program

Next Semester, I plan to join Stevens Institute of Technology’s MS in Data Science program to strengthen my abilities further and clarify my goals through the education and opportunities offered by Stevens.

Growing up in China, I long desired to study in the Western world and experience a different education system. Thus, thanks to my parents, who promised to send me to the US for a college education. I was hooked on Data Science when I first took the impressing trip in data world in classes at college. I realized that Data Science was not just about analyzing some fundamental data information in real life, but to create a program that models something abstract and structural. I was amazed that data science was a treasure box containing all the amazing things that I could imagine.

I am planning to study a master in Data Science in respect that Data Science is the trending in futural technology development. The business and the organization are currently structured in models and calculation, and Data Science has done many jobs in it. I want to gain the knowledge of Data Science and obtain data training techniques to enhance my ability in dealing with genres of requirements in computer computing and enterprise management. Stevens is a great platform to help me to acquire Data Science’s skills. Stevens’ Data Science is an excellent apartment to join because of its grand strength in teachers and courses.

At present, I am majoring in Computer Science at Stevens. I take my time in Stevens Institute of Technology to improve my coding skills. I took many frontiers software development trending and best practical courses. These courses include Java, Python, JavaScript, C++, HTML, and so on to do the Web application development. I applied Web development skills in genres of projects. I benefit a lot from the experience of computer science courses, and by them I am guided to the field of Data Science. I then realize my great interest in Data Science.

Whether you want to specialize in coding or in financial tools, you need a solid foundation in Data Science. I realize there is no shortcut to learning programming and data science, and I have to work hard to accumulate the necessary experience and skills, and as such, I approach every class with full commitment, and whenever a program goes wrong, I set diligently to seek out the cause. Through my work both in class and in my spare time, I have thus far been able to get reasonable proficient in Java, C, C++, I also have a basic understanding of R and Python.

I also appreciate the importance of practical knowledge, and have thus sought out opportunities during school breaks to continue honing my skills. This has resulted in internships with two technology companies. The first was with Trip.com Group Ltd., in Shanghai, China, and included writing SQL scripts for the company’s CRM system and designing web apps in various languages. Being my first time in a real professional situation, there were some setbacks at first in my work and my coordination with colleagues. However, I always strove to bring the same attitude to work as I do to my studies, giving it my all and working to successfully complete every task assigned to me. The following year I got an internship with Dalian Hi-Think Computer Technology, Corp. (DHC) and by that time, I had accumulated more experience and knowledge in data science, and was thus more confident in my work. There, I was responsible for helping senior software engineers maintain and improve the company’s application; modifying existing software to correct errors, upgrading interfaces and improving performance. This work gave me a deeper understanding of software engineering and inspired me to make it a must-study element for my future graduate studies.

As a result of my studies and internships, I am very confident that I am up to the standards of your program, and I believe that I can also have a positive impact on your community through my participation. As technology advances, data science will inevitably start coming into greater contact with a wider range of fields, sparking new ideas. In addition to the financial derivatives mentioned above, I am also interested in the role that AI can play in the future of medicine due to the recent COVID 19 epidemic around the world. I have chosen to apply to your program not only because of your excellent, challenging academic environment, but also because your school’s curriculum strikes me as the best way to make my dreams come true. I am very likely to choose the Data Science program, which is a rapidly expanding field with many applications in diverse areas such as fraud detection, intelligent systems, perception, finance, information retrieval, and other areas. I look forward to learning more about Database management and Data Science, gaining a clearer understanding of my direction in this field. Once that direction is set, the education and internship opportunities your program offers will enable me to pursue it to the fullest, seeking out appropriate internship opportunities to hone my abilities further. Given all of this, I would like to thank you for taking the time to consider my application.