

Essay Question

Master of Science - Software Engineering

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As Bill Gates once said, "The advance of technology is based on making it fit in so that you don't really even notice it, so it's part of everyday life." My understanding of software engineering has been heavily influenced by this prominent engineer and entrepreneur. I believe that software engineering stands out from other computing fields by demonstrating a particular focus on the link between humans and technology, serving as the bridge that connects customers and companies. Before making decisions on business plans, software engineers need to keep abreast of public needs to answer the most urgent social issues. During product development, developers must foster great teamwork and innovation to implement their works. Once the product is released, the feedback from users offers engineers a chance to improve its quality.

Your software engineering program will prepare us to become outstanding engineers equipped with professional skills and the ability to improve the human condition. Among your diverse courses, I am interested in the Foundations of Software Engineering course since the lesson I learn will make me excel at conducting a project by defining its requirements, developing applications, working collaboratively, and handling multiple constraints. The experience will bolster my adaptability and flexibility in today's rapidly evolving technology landscape. In addition, the Software Requirements and Interaction Design course focus on combining user research and techniques to make a tangible contribution to society, which satisfies my mission to solve real-world problems. Finally, students in the program are allowed to participate in other elective coursework related to AI. Therefore, I could delve into Robot Vision to further integrate my knowledge with software engineering to break new ground in user-friendly automobile systems.

CMU's comprehensive courses and resources will give me an in-depth understanding of software engineering. Attending your program will certainly be a rewarding experience.