Jake Klaver

Fields Report

Computer Science, Software Engineering, and Information Technology are all closely related majors, but at the same time very different. Computer science is using theories, logic, and math to study how computers work. This major is for fields like security, graphics and artificial intelligence. This differs from Software Engineering because Software Engineering is the study of how software is built, and includes project management, quality assurance and testing. Both require programming and computer science fundamentals. While these both are similar and different, they are also related to Information Technology. Information Technology also has to do with hardware and software, but it is more about installing, organizing, and maintaining computer systems. Information Technology also has to do with designing and operating networks and databases. There are several fields of Computer Science. One example is graphics, this involves data visualization, making animated movies, and analyzing complex data. Another example of a field of Computer Science is Artificial Intelligence, or AI for short. The Artificial Intelligence field includes everything from planning and searching, to implementing programs. AI is well known for its relation with robotics and its implementation into robotics. A third field of Computer Science is networking. Networking covers the interconnection of devices, home networks, linking military installations and many more applications. The field of Computer Science that I am most interested in is somewhere between software engineering, and systems. What I want to work on is the creation and implementation of software and technology into the automotive industry. I would love to be involved in the concept design in order to be the most involved with new technology and creating new technology to go into the future cars; and trying to figure out how to put the new technology into the cars in the best way. The reason this

interests me, is because I believe technology is where the future is headed. My current passion is cars, and the entire automotive world. Therefore I figure why not combine my two passions. Technology and the automotive world. Concept design seems like it would be perfect to me because my personality is not one of someone who sits and does nothing all day. I like to get involved with others and try and figure out the best way to solve something.