

Charles McCampbell-Hill

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COP1500

Prof. Vanselow

I Switched

Dear Mom,

I am sorry I called you last night at 11PM on the way to my marketing internship interview. I know it was a little late, but I couldn't help but tell you the news. You are probably confused as to why I would be switching my major to software engineering after pursuing marketing for 2.5 years, but you can rest assure that my decision is in my best interest and will benefit me greatly. You probably have no idea what software engineering is or the fields that it may be related to, but I can easily explain them to you so you can better understand my decision.

Three major fields of the computer career world exist. Computer Science, Software Engineering, and Information Technology. I have officially switched to software engineering because the idea of telling a machine what to do fascinates me greatly, but the specific field I am most interested in is computer science. Computer science is more about the science and study of why computers work, as compared to software engineering which is the utilization of computer languages and systems to solve problems and create things, and information technology which is the study of how computers interact with each other.

Computer science is the field I am most interested in, but you are probably wondering what specific fields exist in the computer science world. One field is called big data analytics. Big data analysts recognize patterns in data and come up with solutions that the computer would not normally be able to. Another field is a computer systems architecture. Jobs in this field create

solutions that allow an organization's hardware to work together efficiently. Finally, there are software engineers, who use computer language to create and develop anything ranging from a game to a website.

While all of these fields are awesome, I specifically want to specialize in computer hardware creation. I have played with development and dabbled in other fields of computer science but creating the structure on which most things operate is the most interesting to me. After meeting with people who already have careers in the field and hearing about what they do and experience, I feel motivated to take the steps necessary to reach the point I want to be at. If the first step towards the future I want to build was changing my major after 2.5 years of marketing, then so be it. Sorry again I called you at 11PM to tell you I am going to be in school for another few years.

Sincerely,

Charles Burke McCampbell-Hill