

Nicholas Wahba

Professor Vanselow

COP 1500-CRN #80597

1 December 2018

Computer Science Fields Report

Dearest Mr. and Ms. Wahba (Mother and Father),

In this letter I'm writing to you, I would like to tell you how I'm doing well in my classes especially my computer science class and also tell you exactly what I'm going to do with a career in software engineering. There are many different fields in the world of technology and it can cause tons of misunderstandings for the minds of people. Expectantly, once you finish reading my letter you'll have a better wisdom about the career path I plan to take after college. So there are three important fields that this letter will contain: computer science, information technology, and software engineering.

Computer science must deal with the studies of algorithms, data structures, programming languages, systems for computers, and tons of mathematics for program testing. In other words, the nooks and crannies of programming and the principles of calculations. This field focuses on all the theories of computers and the designs of computer systems.

Software engineering is different from computer science because it deals with designing and building software systems: There are tons of analysis, design, implementation, requirements, testing, and delivery for software to work. The programmers who created the software run and test the software to see if it'll work on all computers.

Information technology is different from both computer science and software engineering as this field of study or work centers around management of a statistics point: There's also a workflow, deployment of hardware and software, systems administration, provisioning, training, and staffing to backing up any organization's business objectives. Information technologists may do similar work like software engineers do but only to specify and evaluate new systems, the primary focus is both procedures and preservation. There is a Computer Information Systems degree at FGCU and this degree goes into more detail about how computers are used in the

government and business. This type of degree is also used to help businesses in the world today maintain the networks and systems they have.

In my opinion, there are two fields of computer science I'm most interested in and they are web design and software developing. I'm interested in software developing because I've always wanted to create my own apps for cellular devices or create a video game for a popular gaming company. I first got interested in software developing by creating a game on a website called Scratch and the game was called "Building Your Minecraft Dream House", when I finished this game it was both really fun and challenging. It got me thinking of what other games I could come up with if I choose to major in software developing. I'm also interested in web design because I've always wanted to know how to create my own website and make it look amazing. I also have been reading books and watching videos on how to build a website, I'm currently using my portfolio website as a draft for when I start creating my REAL website using all the knowledge that's been given to me both book and video wise. I hope this letter gave you a better explanation of what my goals are and what I'm avid about.

Warm Regards,

Nick

This is an entirely different Fields Report than the last one that I wrote. It was originally almost 2200 words and now in this version, it's roughly the number of words that my professor originally wanted in the first place. For the beginning parts of this report, I first created a revised outline for what I was going to write for this fields report letter and in that outline, I wrote about the differences between computer science, software engineering, and information technology. I also used the resources that my professor gave me to make my essay look skilled. I read the questions very carefully to know what I'm going to write without mistakenly reading it wrong and I began to write another three letter drafts based on everything I have. When I completed the three letter drafts, I then used Grammarly and the writing center that Florida Gulf Coast University has to make sure that my report is good. I had made sure there were no grammar errors despite using Grammarly. I finally reread the "Elder Paul Critical Thinking Model" and watched the video of "5 Components of Information Literacy" to be extra careful about what I'm writing in this fields report. Once my fields report was done, I read it out loud one last time and triple-checked to see if there were no grammar errors and thus finished I completed the fields report.