**Essay PEA**

In the compsci course this year, we learned a lot of things. We developed new skills to see problem solving in ways that we never thought about that can be applied to a multitude of subject. We also learned how to check for errors in a code and what causes a problem to arise. At beginning whenever I had a run-time error, I used to panic and it would take lots of time just to find where the error was situated at. Now, my analysis skills got really better and I can more effectively pinpoint where the error is. Also, we created projects that I never imagined we would do on our first year of learning java, html, css and javascript. We literally created a connect four game in java and a card game in our web course using javascript, html and css combined, in which both took lots of problem solving skills to do.

During labs, we strengthened our ability to be a team player. Solving problems together, as a team, helping each other out and offering new ideas where all part of our learning experience. Also, this year, we had lots of work to get through. To pass all of my courses, I organized my time well. I prioritized the important work, and when study was required, I would prepare myself a week in advance and study 30 minutes a day. I never studied a lot in high school, so this was a good learning experience for me. I learned to manage my time more than I ever did in my life. In our business course this year we learned how to be professional and courteous towards other. We also learned how to write professional emails and formal reports. How to resolve a conflict if one where to arise, be aware of cultural/ ethical differences in the office.

**Second Essay**

In the java language, I know how to put data inside a text file and how to read data from a text file. I am also able to effectively use the three major concepts of object oriented programming (inheritance, encapsulation and polymorphism.) I am now able to create complex programs such as a JFrame in which you can play connect four with, save and quit in the game. I also have good knowledge in web programming languages (Html, Css and Javascript) with which I can create an interactive, eye pleasing website. In Math for computer science, I learned how to use statistics for a certain population and create excel graphs for it.

This is very useful knowledge not only in computer science but other fields too. Boolean logic and algebra is also a concept in which I am familiar in, and will follow me for all my computer science career. Speaking of things that will follow me through my career, I know how to count in binary, octal, and hexadecimal, convert them to decimal, and make mathematical operations with them. In buisness I was taught how to make a good looking, professional Microsoft word document in which I am able to put headers and footers, use the references menu of the word document, create tables of content, captions, and use different layout designs effectively. The difference between different Computer Science jobs and what they represent for the industry(For Example: The Difference between someone who works as an IT and someone who works as a software developer/engineer).

As for general computer science knowledge, I know how to dissect and rebuild a computer and the general components that make up a computer. How to boot up a drive, how to remove a virus if a computer has one and how to manage partitions.