**General Outcomes Reflections**

In the Computer science program 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 subjects. 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 much 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, both took lots of problem solving skills to do([cgauthier\_G20\_A02\_Phase2.zip](https://github.com/charlesGOAT/PEA/commit/3797cdea25e946c28a01b0d8fe7051468413e3cc#diff-1c93a679b2e586e65eb907b1309ed9f88a56633304a8cc76a1ec47967497a63b) and cgauthier\_H10A03Web.zip respectively in my git hub repository).

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 others. We also learned how to write professional emails and formal reports(cgauthier\_K10\_A04\_Report.docx in my git hub repository) . How to resolve a conflict if one were to arise, be aware of cultural/ethical differences in the office.

**First Year Outcome Reflection**

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(cgauthier\_H20A03 in my git hub repository). In Math for computer science, I learned how to use statistics for a certain population and create excel graphs for it (Lab\_3\_KPI\_Data\_2020\_F.xlsx in my git hub repository).

This is very useful knowledge not only in computer science but other fields too. Boolean logic and algebra are also concepts in which I am familiar with, 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 business 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.