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Creative Computing 253- Section A

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Post Reflection

At the start of the course my programming knowledge and comparing it to what I know now, there are a lot of significant changes. This class had allowed me to revisit previous lessons I had already received in CEGEP coding in JavaScript mostly in p5, so a few lessons provided a refresher on how to use for loops, events, variables, functions, if statements, but I headed to uncharted territories such as learning new JavaScript's such as arrays, conditionals, data. Which were new learning curves that have been useful when it comes to learning to make codes look more cleaner and less confusing. Through this course my knowledge in JavaScript especially in p5.js has expanded and will be incredibly useful for the future courses. It has been challenging but immensely rewarding, helping me write code cleaner and more efficient code.

During the early weeks of the course, I appreciated the chance to reinforce my grasp of foundational programming elements. My relationship between my new programming knowledge and my creative practices have changed and grown.

While I knew that creating for loop statements can make codes much cleaner in structure and lessening the coding of duplicated objects into different functions and learning that in events if you put an object into the parameter it will focus on the objects within it instead of the whole entirety and specify only in the function of the event. What was a challenge for me was learning and using arrays, it took some time to understand fully arrays but while working on the project and reviewing the notes on what array is and implementing it in my code and having to do trial and error, I was able to make an array so to create the foosball rod and having the third variation have more ball created after each goal making it increasingly difficult to balance and prevent a goal to happen for either side. Also, other challenge for me was conditions, as it took me a while to understand what I was doing especially when it comes to creating a project and instead of creating the object in the function but to create a const variable with the dimensions of the object stated prior and using the const to fill in the parameter of the shape, I had to rework or debug my project many times when using const as it would break as soon as I created it and put it in the parameters and had to debug in google to find out which line and also use the p5 website to further get more information when a code breaks due to either a word is wrong, the condition is misspelled or misplaced or if it is being either not run due to another code with the same name or it was not defined or it was declared but values never read.

While I am used to learning p5js, I could have used JavaScript in this course, however, I stuck using p5 as what we learned in class was solely p5js and some JavaScript. What I can do as an artist mostly focusing on computing, I can create more complex projects with the knowledge I have learned and used during the term, using if statements, for loop, arrays, events, variables, function, conditionals. I still feel like I can still review and continue to work on more projects to further hone the skills I learn through my time at Dawson College and now at Concordia University. There are still things that I have learned during the term that I still need time to fully understand such as conditions, data especially using Json fills as it is still a learning curve that I haven't ventured in and only briefly looked into the semester.

When it comes to creative work, especially when it comes to computation arts where a lot of the project mainly uses JavaScript, p5.js. If I compare my projects from the beginning to now, I can confidently say that I have grown a lot and can create something using the knowledge I learned in my approach. I am looking forward to learning more and creating more based on my ongoing growing knowledge of programming. I know that I can create more things that I never thought I could do before and not having to stick with either a basic line of coding and staying safe and always prevent challenging myself when it comes to coding projects. I must break free and stop limiting myself to what I can potentially do if I don't go and do something where I expect to fail or things to go wrong. This

experience has allowed me to see that I can do things that I couldn't have possibly thought of doing if I continue to play safe like I have been doing for a while.

When it comes to the future of my role as a creative coder, I still feel that I am still in a place where I need to learn and gain more knowledge to fully realize that role. I can say that I am for sure not rejecting or claiming I am not a creative coder, but I still have a lot more to learn when it comes to programming. I have so much more room for growth. When it comes to my understanding of creative code has changed as I had a basic understanding when it comes to coding as a creative expression as I decided to either chosen to not visited or revisited what I had learned prior to starting the start of the term and having to relearned and revisited what I had previously learned from college and afterwards, adding more to my repertoire of programming knowledge when it comes to using p5.js. What I am looking forward to being able to do in the future is more intricate, complex projects and go more outside of the box when it comes to creative process and ideas for the projects in JavaScript, p5.js.