Kyle Coffey

3/22/17

6 Weeks Report 3/22/17

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| Semester 1 | Semester 2 |
| Internship (Done) | Internship (Done) |
| MOOC (Machine Learning) (Done) | MOOC (Machine Learning) (Done) |
| Pluralsight (Ruby) (Done) | Pluralsight (Ruby on Rails) (Done) |
| C++ Online Course (Done) | Stock Market Prediction Project |

Overall Goal/plan = UCD BSCS -> Military -> Google or some coding job

I have made great progress with the Google bot. We fixed some bug on it to where we are close to it working as intended. It turns out we were not using the URL the best way to achieve our goal. I rewrote the URL the bot uses to where it counts correctly. We have two more problem until it is done. It seems to stop fetching stock info after a certain period. We tested it on multiple machines using different ISP services but it seems like google might be the one who is blocking us. We have a couple of solutions use a proxy or split up the searches on multiple ISP so google see 2-4 different public IP scraping info. I have also been assisting in development on the Machine Learning program to predict stock prices with Connor. We have sat down when there is a bug and looked over the code to see what might be causing it. There is one bug we are not sure about if it a bug or if the bot is casing it because the bot is not fully done. We can consider it more until the bot is done. The bot should be done by April 15ish. Then we can do some final work on the machine learning code. The server cluster is going smoothly other than slave0. We decide to continue without spending a ton of time on Slave0 until we get Salve1, Slave2, and Master fully working together. Then we will add slave0 once we get it stable. We rather focus our efforts first on getting the software and cluster working before spending quite a bit of time to get 1 server working. I have practiced a coupled programing challenges to prepare for Code Quest. Which I am excited for. We still need to have an official meeting which we will most likely have tomorrow. I am also going to create a final stable Windows 10 Creators Update Image before I leave Warren Tech. The update comes out in April 11. So, I will get started on it near the end of April 25-30. That way Microsoft can fix some unsuspecting bugs before I make the new image. As for my MOOC contract, I believe I am finished with everything in it, instead of working on an Unreal Development Engine Game I decided to replace that with our Stock Market Project. I finished my internship hour which turned into a job. I also have interview with Northrop Grumman for an internship with them in April. If I end up getting it I will get a high-level government security clearance which will be awesome. Overall, most of my time has been spent on the Stock market prediction program, the spark server cluster, and my internship. I feel like this has been one of my most productive semesters because we are not working on a project as a team.