

Sprint Retrospective Meeting Minutes

Attendees: Christopher Kverne, Nathan Lioe-A-Tjam, Isabella Anthony

Start time: 02/8/25 6:35pm

End time: 02/8/25 6:55pm

Snapshot of the recent sprint that was done.

- Task Status
 - Completed: 6
 - Carried over: 0

Reflection of the last sprint.

- Christopher
 - What went well: We have successfully started running experiments with the QNG optimizer at different depths and widths seeing successful explosions happen. Importantly the experiments are running quickly on GPU allowing for fast testing. The paper's theory is also coming along with 3 core theorems bounding the "Riemann Hessian".
 - Things to improve: We need to compare it against more baselines like diagonal QNG. Importantly we should look at the heatmaps, do more experiments without fixed seeds and try to come up with ways of fixing the issue.
- Nathan
 - What went well: We made significant progress in the research project and everyone was able to complete tasks in a timely manner. I was able to start testing out some of the theories and see if they check out. Moreover, Communication went well as well.
 - Things to improve: One thing that I will improve is the way I plan, since a lot of the experiments take a significant amount of time. This helps me do my part and also completing other responsibilities that I need to do, for example other classes etc.
- Isabella
 - What went well: In this sprint we have had good communication throughout the week. This has made it very easy to collaborate and understand the problem we are trying to solve. Moreover, I have been completing my tasks on time. In this sprint we had another in-person meeting hosted by Christopher where we went over different concepts that contribute to the research we are working on. I have also spent time coding and debugging my code, tuning parameters and running different experiments for our research. We have also decided on which project we will be working on so that has been good as well.
 - Things to improve: For the next sprint, I will take more time into account in my day to ensure I am contributing effectively. Because coding, debugging and training are time consuming tasks.

Tasks pending from previous retrospect:

- None

Tasks that were rejected and assigned to a future sprint. What are things that need to be done for the next sprint?

- None

Task/Action	How do we know if it's done
-None	-None