

Personal Reflection

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What do you feel you accomplished?

- I am from group CNN5. In a group assignment, I converted Ziwei Yan's model, which can be trained and tested in a Linux environment, into a certain model for later work. Help Hanxi Ma accelerate the convolution layer in HLS. Finally, I also did configure PL, cross-compilation, edit Vitis project file and all the steps to make axi-lite to run in Vitis.

What did you do well and what do you think you could improve at?

- The work division in the team was decided by me, but I underestimated the difficulty of optimization in hls, and Shuhao Huang did not give Hanxi Ma help in the optimization step of hls, so after I finished the communication part of axi-lite, our team still did not make much progress in hls optimization. When hls optimization stalled, I did not make full use of the available manpower in the team, and I did not make timely adjustments when members failed to achieve the expected goals.

What have you learned through your engagement with the project?

- The coordination and work division with team members is still a difficult task, and the reasonable and individualized distribution of work requires great efforts to learn. In the project, I learned the acceleration of hardware in hls, and the process from c++ language to implement an app that can run in kair board.

Was your team successful? Explain who took leadership and of which aspects. In which way, if at all, could the actions of the team have been improved?

- Overall, I think it was not very successful. The project did not progress according to the timeline I had originally planned. I trusted my team members too much and did not track the progress of the project. This results in no one doing all the work at the expected node. As a result, we did not come up with a good solution in the speech. However, after the presentation, Hanxi Ma and I remedied the project in time, and the new solution performed well in terms of acceleration performance and accuracy