THESIS STATUS REPORT

WEEK 48 – 49

DONE

I wrote the first version of the "related work" section and added a chapter about Support Vector Machines (SVMs). I decided to use *scikit-learn* instead of *pytorch*, because it has a class for Support Vector Regression (SVR). I gathered first information about Extra-P from the GitHub website and Markus (via email). Lastly, I started to implement the synthetic load testing sandbox, which will generate data points in order to create the basic performance model.

UPDATE FROM SYNC MEETING (08.12.2020)

We discussed that I should compare my approach with the performance model created with Extra-P and the baseline horizontal scaling method from Kubernetes itself. Furthermore, we talked about that I should discuss my application, package and approach decisions in the thesis.

Lastly, I should get access to the university GitLab where I will upload my code in the future.

NEXT STEPS

1. Implementing the synthetic load testing sandbox
2. Get to know "Extra-P"