



Project or Bachelor's thesis – Model parallelization with Graph Nets library

About:

We have an existing self-supervised generative model based on Predictive Processing that can produce and infer the intention of handwriting. Your job is to parallelize the model using, e.g., Deepmind's Graph Nets library.

Task:

- Make yourself familiar with the existing model implementation
- Reimplement the model using parallelization techniques
- Test the reimplemented model's reliability and performance

Requirements:

- Programming experience (preferably Python)
- *Optional:* Experience with parallelization on GPU

Ansprechpartner:

- Sebastian Kahl
- skahl@uni-bielefeld.de