

PROJECT PROPOSAL

Deep Learning for Visual Recognition

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Idea: Use object detector from lab 3 as base line model. Its pretty simple so we can change some stuff (loss function, the architecture etc.) to try and optimize it. Metrics of interest could be: Time to train to accuracy threshold, accuracy, model simplicity (able to run on small machine).

General approach: Implement baseline model (in pytorch). Perform experiments to try and improve the model.

Keywords:

- Code object detector
- simple data set
- Try to change loss function
- try to add residual connections
- mean average precision