



Master Thesis Proposal

Project Proposal Title

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1 Introduction

- An introduction to the general topic you are covering.
- Why is it important?

1.1 Problem Statement

- What are you going to solve?
- How are you evaluating?

2 Related Work

- What have other people done?
- Why is it not sufficient?

2.1 Subsection 1

2.2 Subsection 2

3 Project Plan

3.1 Work Packages

The bare minimum will include the following packages:

WP1 Literature Search

WP2 Experiments

WP3 Project Report

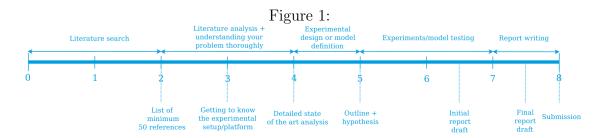
Keep in mind that depending on your project, you will probably need to add work packages that are more suited to your projects.

3.2 Milestones

- M1 Literature search
- M2 Experimental setup
- M3 Experimental Analysis
- M4 Report submission

3.3 Project Schedule

Include a gantt chart here. It doesn't have to be detailed, but it should include the milestones you mentioned above. Make sure to include the writing of your report throughout the whole project, not just at the end.



3.4 Deliverables

Minimum Viable

- Systematic literature survey of methods over
 - Datasets in 3D LiDAR semantic segmentation
 - Existing out of distribution methods
 - 3D models for semantic segmentation on LiDAR data
- Proposal of 3D benchmarking datasets for out of distribution detection
- Study of uncertainty estimation over 3D models for OOD detection
- Extension of OOD detection method to a baseline 3D model

Expected

- Systematic evaluation of the implemented baseline model over the benchmarked dataset
- Implementation of the state of the art model for OOD detection
- Evaluation and comparison of the implemented state of the art model to baseline algorithm

Desired

• Proposal of a refinement over the current OOD model for higher performance

References

[1] Author Name. Book title. Lecture Notes in Autonomous System, 1001:900–921, 2003. ISSN 0302-2345.