



MASTER IN  
COMPUTER  
SCIENCE

# Title of the Thesis

Thesis subtitle

**Master Thesis**

Given Name & Surname

Home University

Month and Year

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UNIVERSITÄT  
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# Abstract

Abstract (max. 1 page)

Name of the Supervisor, Group, Institute, University, Supervisor

Name of the Assistant, Group, Institute, University, Assistant

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# 1

## Introduction

Short abstract to the chapter (a quick summary of all the sections)

- Describe the topic of the thesis with a simple language (no equations)
- Provide a motivation for working on this topic (or solving this problem). What is the impact? How important is it?
- Provide the challenges: What is hard about this topic/problem? What must be addressed?
- Provide a summary of the key ideas in this thesis
- (optional) Provide a summary and a brief intro to the chapters

# 2

## Background/Prior Work

*This chapter can also be split into two chapters, one with the background knowledge and notation, and the other with prior work, references.*

Short abstract to the chapter (a quick summary of all the sections)

- Describe the prior work relevant to the topic
- The work should be grouped meaningfully (according to the conventions in the topic) so that it is easier to get an overview.
- The number of references should be  $\geq 20$  for a BSc thesis and  $\geq 40$  for an MSc thesis.
- Introduce relevant notation and background knowledge if needed (possibly in a separate chapter)

# 3

## Name of the approach/Name of the problem

*This chapter can also be split into multiple chapters depending on the case.*

Short abstract to the chapter (a quick summary of all the sections)

- Describe the problem to be solved formally and use illustrations to present it
- Describe the ideas of the approach used to solve the problem

# 4

## Experiments

Short abstract to the chapter (a quick summary of all the sections)

- Describe the list of experiments and provide the rationale (what do you want to demonstrate with these experiments?)
- Describe all the settings needed to carry out the experiments (as if you instructed someone else to replicate them)
- Structure the experiments meaningfully: For example, first all synthetic experiments and then all experiments on real data. Another important section is to show Ablation studies, where one can demonstrate the effect of each component in the proposed solution.
- Provide both quantitative (numbers, overall statistics) and qualitative (pictures, some examples) results.
- Provide critical analysis of both quantitative and qualitative experiments: Why did something work or not work? Why better/worse?
- Focus on critical cases: Worst errors/Best performance examples. Discuss them.
- Do the experiments demonstrate achieving the original objective? Is the analysis making conclusions about the original objectives?

# 5

## Conclusions and Future Work

Short abstract to the chapter (a quick summary of all the sections)

- Provide a summary of all the work done: Summarize the aim, the challenges, the proposed solution and the experiments
- Draw conclusions: What has worked and what has not worked? Why?
- Future work: What should be done next? Why?



A  
ap1

## A.1 apsec1

## List of Tables

## List of Figures

## Bibliography