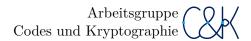


## Titel

Bachelor's Thesis Proposal by Ella Vahle



#### 1 Introduction

This template contains some hints of what to write in each section. This is just an example. There are good reasons to deviate from it. These are just some ideas to get started.

For the introduction:

- What general topic are we interested in, why does it matter (e.g., where is it used, what problem does it solve)?
- Explain some more background for the topic, help the reader (who may have never heard of the topic) understand what you are talking about.

(Tip: make such a bullet point list for yourself (with more concrete talking points) for all sections, then start writing text)

## 2 Current state of research

Explain what the current state of the topic is. This depends a lot on the concrete topic. For example, you could write about:

- What is a trivial (not suboptimal) way to solve x?
- How is x usually solved in practice?
- What are typical ingredients/techniques to construct the systems we are interested in?
- How does [testref] solve the problem?
- What does the algorithm in [testref] do (roughly)?
- ...

#### 3 Goals of the thesis

- What's the problem with existing solutions? (i.e. with the stuff you explained in the previous section)
- What's the goal of the thesis in a nutshell? (Probably: solve that problem/analyze the solution suggested by Eti [testref]/compare potential solutions/...)
- Then go into detail. What are the specifics of what you are going to do? Explain intermediate goals.
- Explain optional goals.

# 4 Preliminary outline of the thesis

Show your current plan for the outline ( $\approx$  table of contents) of your thesis. A hierarchical list of section names suffices. Example:

- 1. Introduction
- 2. Definitions and notation
- 3. First topic
  - a) First subsection
  - b) ...
- 4. ...

After reading the *Goals* section, the reader should be able to understand what you're planning here.

## 5 Work plan

How do you plan to spend your 21 weeks of work on the thesis? For a fancy Gantt chart, consider using the pgfgantt package. If done well, a bullet point list is also sufficient.

Date:		
Prof. Dr. Johannes Blömer	Ella Vahle	_