

THESIS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

# A Thesis on Computer Science

*With some subtitle if you want it*

ANDERS ANDERSSON

*Department of Computer Science and Engineering*  
CHALMERS UNIVERSITY OF TECHNOLOGY | UNIVERSITY OF GOTHENBURG  
Gothenburg, Sweden, 2018

# A Thesis on Computer Science

*With some subtitle if you want it*

ANDERS ANDERSSON

© Anders Andersson, 2018  
except where otherwise stated.  
All rights reserved.

ISBN xxx-xx-xxxx-xxx-x

Doktorsavhandlingar vid Chalmers tekniska högskola, Ny serie nr xxxx.

ISSN 0346-718X

Technical Report No. XXXX

Department of Computer Science and Engineering

Division of Software Engineering

Some Research Group

Chalmers University of Technology | University of Gothenburg

SE-412 96 Göteborg,

Sweden

Phone: +46(0)31 772 1000

Printed by Chalmers Digitaltryck,  
Gothenburg, Sweden 2018.

*“Something smart.”*  
*- Anonymous*



# A Thesis on Computer Science

*With some subtitle if you want it*

ANDERS ANDERSSON

*Department of Computer Science and Engineering*

*Chalmers University of Technology | University of Gothenburg*

## Abstract

The abstract of the thesis. **Maximum ~250 words (Chalmers, as of April 2020).**

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Risus at ultrices mi tempus imperdiet nulla malesuada pellentesque.

Facilisis mauris sit amet massa. Nec ultrices dui sapien eget mi proin. Fringilla est ullamcorper eget nulla facilisi etiam dignissim diam quis. Pellentesque eu tincidunt tortor aliquam nulla facilisi.

## Keywords

Keyword 1, Keyword 2



# List of Publications

## Appended publications

This thesis is based on the following publications:

[**Paper I**] **A. Andersson**, S. O. Person, J. Whoever, *Title of the first paper*  
*Some Journal 39 (May 2019), 133-144.*

[**Paper II**] **A. Andersson**, *Title of the second paper*  
*Submitted, under review.*

## Other publications

The following publications were published during my PhD studies, or are currently in submission/under revision. However, they are not appended to this thesis, due to contents overlapping that of appended publications or contents not related to the thesis.

- [a] **A. Andersson**, *Nothing: Revisited*  
*Some Journal* 40 (June 2019), 125-126.



# Acknowledgment

Acknowledgement page. Include also funding information here!



# Contents

<b>Abstract</b>	<b>iii</b>
<b>List of Publications</b>	<b>v</b>
<b>Acknowledgement</b>	<b>vii</b>
<b>I Summary</b>	<b>1</b>
<b>1 Introduction</b>	<b>3</b>
1.1 Some padding . . . . .	3
<b>2 Summary of Included Papers</b>	<b>5</b>
2.1 Title of the First Paper . . . . .	5
2.2 Title of the second paper . . . . .	7
<b>3 Discussion and Future Work</b>	<b>9</b>
<b>Bibliography</b>	<b>11</b>
<b>II Appended Papers</b>	<b>13</b>
<b>Paper I - Title of the first paper</b>	
<b>Paper II - The Second Paper</b>	



Part I

Summary



# Chapter 1

## Introduction

This chapter is your actual kappa. Of course, you can also add further chapters if you deem that necessary.

Here are the goals of this thesis:

**G1:** To introduce the thesis template.

Also, here is a reference [1].

### 1.1 Some padding

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Vel facilisis volutpat est velit egestas dui. Enim ut sem viverra aliquet eget. Lorem sed risus ultricies tristique nulla aliquet. Ultricies mi eget mauris pharetra et ultrices neque. Gravida rutrum quisque non tellus orci ac auctor augue mauris. In fermentum et sollicitudin ac orci phasellus egestas tellus. Orci ac auctor augue mauris augue neque gravida. Facilisi morbi tempus iaculis urna id volutpat lacus laoreet non. Hac habitasse platea dictumst vestibulum. Egestas fringilla phasellus faucibus scelerisque eleifend donec pretium. Auctor elit sed vulputate mi sit amet mauris commodo quis. Vitae nunc sed velit dignissim sodales ut.

Molestie a iaculis at erat. In vitae turpis massa sed elementum tempus. Tincidunt id aliquet risus feugiat in ante metus. Nunc sed blandit libero volutpat. Pharetra diam sit amet nisl. Eu facilisis sed odio morbi quis commodo odio. Porta lorem mollis aliquam ut porttitor. Metus vulputate eu scelerisque felis imperdiet. Volutpat sed cras ornare arcu dui vivamus arcu felis bibendum. Ultrices mi tempus imperdiet nulla. Tristique sollicitudin nibh sit amet commodo nulla facilisi nullam. Tortor vitae purus faucibus ornare suspendisse sed. Quisque id diam vel quam elementum pulvinar etiam non. Platea dictumst vestibulum rhoncus est pellentesque.

Consequat nisl vel pretium lectus quam id. Phasellus egestas tellus rutrum tellus. Id neque aliquam vestibulum morbi blandit cursus risus at ultrices. Est ultricies integer quis auctor elit sed vulputate. Eu consequat ac felis donec et odio pellentesque diam volutpat. Urna id volutpat lacus laoreet non curabitur

gravida arcu ac. Scelerisque purus semper eget duis at tellus. Porttitor leo a diam sollicitudin tempor id eu nisl nunc. Mauris nunc congue nisi vitae suscipit tellus mauris. Leo duis ut diam quam nulla porttitor massa id neque. In hendrerit gravida rutrum quisque non. Ornare lectus sit amet est.

Id ornare arcu odio ut sem nulla pharetra. Nullam non nisi est sit. Vel orci porta non pulvinar neque laoreet suspendisse interdum. Et molestie ac feugiat sed lectus vestibulum mattis ullamcorper velit. Viverra suspendisse potenti nullam ac. Mauris cursus mattis molestie a iaculis at erat pellentesque adipiscing. Ac turpis egestas sed tempus urna et. Iaculis nunc sed augue lacus viverra vitae. Lectus arcu bibendum at varius vel pharetra vel turpis nunc. Aliquam sem et tortor consequat id porta nibh venenatis cras. Purus in massa tempor nec feugiat nisl pretium. Mattis rhoncus urna neque viverra justo nec. Curabitur gravida arcu ac tortor dignissim. Sed pulvinar proin gravida hendrerit lectus. Amet porttitor eget dolor morbi non arcu risus quis varius. Faucibus nisl tincidunt eget nullam non nisi est.

Suspendisse faucibus interdum posuere lorem ipsum dolor sit amet consectetur. Lorem ipsum dolor sit amet. Eget felis eget nunc lobortis mattis aliquam. Integer feugiat scelerisque varius morbi enim nunc. Malesuada bibendum arcu vitae elementum. Faucibus turpis in eu mi bibendum neque egestas congue quisque. Gravida in fermentum et sollicitudin ac orci. Sit amet nisl purus in mollis nunc. Mus mauris vitae ultricies leo integer malesuada. Aliquam sem fringilla ut morbi. Mauris sit amet massa vitae tortor.



## Chapter 2

# Summary of Included Papers

### 2.1 Title of the First Paper

In this paper we present a method to do something.

#### **Problem**

Description of what we are trying to solve.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Vel facilisis volutpat est velit egestas dui. Enim ut sem viverra aliquet eget. Lorem sed risus ultricies tristique nulla aliquet. Ultricies mi eget mauris pharetra et ultrices neque. Gravida rutrum quisque non tellus orci ac auctor augue mauris. In fermentum et sollicitudin ac orci phasellus egestas tellus. Orci ac auctor augue mauris augue neque gravida. Facilisi morbi tempus iaculis urna id volutpat lacus laoreet non. Hac habitasse platea dictumst vestibulum. Egestas fringilla phasellus faucibus scelerisque eleifend donec pretium. Auctor elit sed vulputate mi sit amet mauris commodo quis. Vitae nunc sed velit dignissim sodales ut.

#### **Contribution**

What does the paper do to try to solve the problem?

Molestie a iaculis at erat. In vitae turpis massa sed elementum tempus. Tincidunt id aliquet risus feugiat in ante metus. Nunc sed blandit libero volutpat. Pharetra diam sit amet nisl. Eu facilisis sed odio morbi quis commodo odio. Porta lorem mollis aliquam ut porttitor. Metus vulputate eu scelerisque

felis imperdiet. Volutpat sed cras ornare arcu dui vivamus arcu felis bibendum. Ultrices mi tempus imperdiet nulla. Tristique sollicitudin nibh sit amet commodo nulla facilisi nullam. Tortor vitae purus faucibus ornare suspendisse sed. Quisque id diam vel quam elementum pulvinar etiam non. Platea dictumst vestibulum rhoncus est pellentesque.

## **Methodology**

How is it implemented?

Consequat nisl vel pretium lectus quam id. Phasellus egestas tellus rutrum tellus. Id neque aliquam vestibulum morbi blandit cursus risus at ultrices. Est ultricies integer quis auctor elit sed vulputate. Eu consequat ac felis donec et odio pellentesque diam volutpat. Urna id volutpat lacus laoreet non curabitur gravida arcu ac. Scelerisque purus semper eget dui at tellus. Porttitor leo a diam sollicitudin tempor id eu nisl nunc. Mauris nunc congue nisi vitae suscipit tellus mauris. Leo dui ut diam quam nulla porttitor massa id neque. In hendrerit gravida rutrum quisque non. Ornare lectus sit amet est.

## 2.2 Title of the second paper

In this paper we present a method to do something else.

### Problem

Description of what we are trying to solve.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Vel facilisis volutpat est velit egestas dui. Enim ut sem viverra aliquet eget. Lorem sed risus ultricies tristique nulla aliquet. Ultricies mi eget mauris pharetra et ultrices neque. Gravida rutrum quisque non tellus orci ac auctor augue mauris. In fermentum et sollicitudin ac orci phasellus egestas tellus. Orci ac auctor augue mauris augue neque gravida. Facilisi morbi tempus iaculis urna id volutpat lacus laoreet non. Hac habitasse platea dictumst vestibulum. Egestas fringilla phasellus faucibus scelerisque eleifend donec pretium. Auctor elit sed vulputate mi sit amet mauris commodo quis. Vitae nunc sed velit dignissim sodales ut.

### Contribution

What does the paper do to try to solve the problem?

Molestie a iaculis at erat. In vitae turpis massa sed elementum tempus. Tincidunt id aliquet risus feugiat in ante metus. Nunc sed blandit libero volutpat. Pharetra diam sit amet nisl. Eu facilisis sed odio morbi quis commodo odio. Porta lorem mollis aliquam ut porttitor. Metus vulputate eu scelerisque felis imperdiet. Volutpat sed cras ornare arcu dui vivamus arcu felis bibendum. Ultrices mi tempus imperdiet nulla. Tristique sollicitudin nibh sit amet commodo nulla facilisi nullam. Tortor vitae purus faucibus ornare suspendisse sed. Quisque id diam vel quam elementum pulvinar etiam non. Platea dictumst vestibulum rhoncus est pellentesque.

### Methodology

How is it implemented?

Consequat nisl vel pretium lectus quam id. Phasellus egestas tellus rutrum tellus. Id neque aliquam vestibulum morbi blandit cursus risus at ultrices. Est ultricies integer quis auctor elit sed vulputate. Eu consequat ac felis donec et odio pellentesque diam volutpat. Urna id volutpat lacus laoreet non curabitur gravida arcu ac. Scelerisque purus semper eget duis at tellus. Porttitor leo a diam sollicitudin tempor id eu nisl nunc. Mauris nunc congue nisi vitae

suscipit tellus mauris. Leo duis ut diam quam nulla porttitor massa id neque.  
In hendrerit gravida rutrum quisque non. Ornare lectus sit amet est.

## Chapter 3

# Discussion and Future Work

What are your conclusions?  
What's next?



# Bibliography

- [1] G. Liebel, N. Marko, M. Tichy, A. Leitner and J. Hansson, “Model-based engineering in the embedded systems domain: An industrial survey on the state-of-practice,” *Software & Systems Modeling*, pp. 1–23, 2016. DOI: 10.1007/s10270-016-0523-3 (cit. on p. 3).





Part II

Appended Papers



**Title of the first paper**

**A. Andersson**, S. O. Person, J. Whoever

Some Journal 39 (May 2019), 133-144



# Abstract

This is the abstract to the first paper included in your thesis.

## **3.1 Introduction**

This is not the original paper.

## **3.2 Conclusion**

All good.

**The Second Paper**

**A. Andersson**

Submitted, under review





# Abstract

This is the abstract to your second paper.

### 3.3 Introduction

This paper is rather empty. But here is a table:

Table 3.1: Overview of the Paper

A	B
Nothing	Nothing

### 3.4 Research Method

We did nothing. This is depicted in Figure 3.1.

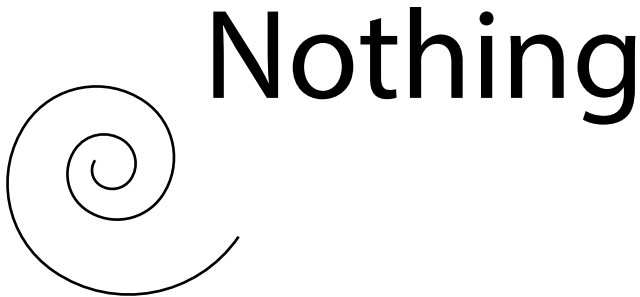


Figure 3.1: Research Method Applied in this Paper

### 3.5 Results

None.