

A Deep and Interesting Thesis

with applications to life

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A dissertation submitted to the University of Bristol in accordance
with the requirements for award of the degree of
PhD in Computer Science in the Faculty of Engineering.

School of Computer Science

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Word count: 1234

Abstract

This section should précis the project context, aims and objectives, and main contributions (e.g. deliverables) and achievements; the same section may be called an abstract elsewhere. The goal is to ensure the reader is clear about what the topic is, what you have done within this topic, *and* what your view of the outcome is.

The former aspects should be guided by your specification: essentially this section is a (very) short version of what is typically the first chapter. If your project is experimental in nature, this should include a clear research hypothesis. This will obviously differ significantly for each project, but an example might be as follows:

My research hypothesis is that a suitable genetic algorithm will yield more accurate results (when applied to the standard ACME data set) than the algorithm proposed by Jones and Smith, while also executing in less time.

The latter aspects could be presented as a concise, factual bullet point list. Again the points will differ for each project, but might be as follows:

- I spent 120 hours collecting material on and learning about the Java garbage-collection subsystem.
- I wrote a total of 5000 lines of source code, comprising a Linux device driver for a robot (in C) and a GUI (in Java) that is used to control it.
- I designed a new algorithm for computing the non-linear mapping from A-space to B-space using a genetic algorithm, see page 17.
- I implemented a version of the algorithm proposed by [Qian, Kavvos, and Birkedal \[2021\]](#), corrected a mistake in it, and compared the results with several alternatives.

*To my darling mama,
sine-qua-non.*

Acknowledgements

It is common practice (although totally optional) to acknowledge any third-party advice, contribution or influence you have found useful during your work. Examples include support from friends or family, the input of your Supervisor and/or Advisor, external organisations or persons who have supplied resources of some kind (e.g., funding, advice or time), and so on.

Author's Declaration

I declare that the work in this dissertation was carried out in accordance with the requirements of the University's Regulations and Code of Practice for Taught Programmes/Research Degree Programmes (delete as appropriate) and that it has not been submitted for any other academic award. Except where indicated by specific reference in the text, the work is the candidate's own work. Work done in collaboration with, or with the assistance of, others, is indicated as such. Any views expressed in the dissertation are those of the author.

A. M. Turing

Elon Turing

2 February 2052

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1 Introduction

This is the main text. You may cite in two ways:

- If you use

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\parencite{...}
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you will get just a reference, which may or may not contain names: [Qian, Kavvos, and Birkedal 2021].

- If you use

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you will get the author names as well: Qian, Kavvos, and Birkedal [2021].

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1 Introduction

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2 Methodology

I am methodologically rather rich.

Bibliography

Zesen Qian, G. A. Kavvos, and Lars Birkedal. 2021. “Client-Server Sessions in Linear Logic.” *Proceedings of the ACM on Programming Languages*, 5, ICFP. DOI: [10.1145/3473567](https://doi.org/10.1145/3473567) (cit. on pp. 3, 1).