Computing Science

CS4040 Research Proposal Structure

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Signed:

Date: October 18, 2021

CS4040 Report

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October 2021

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1 Introduction

1.1 if required

The aim of the **introduction** is to say what *you* are going to investigate in the report and why it is interesting.

Guide length: 350 words (±15%)

2 Background and Related Work

A review of related work [2, 3, 5].

Guide length: 500 words (±15%).[1]

3 Research Question

Given the problem context (Section 1.1) and background (Section 2), you should now be in a position to present what you have investigated. **Pose this as a question.** [4] Then you should present your approach to addressing this question.

Guide length: 500 words (±15%).

References

[1] Peter A Flach. The geometry of roc space: understanding machine learning metrics through roc isometrics. In *Proceedings of the 20th international conference on machine learning (ICML-03)*, pages 194–201, 2003.

[2] Ian J. Taylor & Andrew Harrison. *From P2P and Grids to Services on the Web*. Springer, 2 edition, 2009.

[3] Iain Macdonald and Advaith Siddharthan. Summarising news stories for children. In *Proceedings of the 9th International Natural Language Generation conference*, pages 1–10, Edinburgh, UK, 2016.

[4] O Anatole Von Lilienfeld. Quantum machine learning in chemical compound space. *Angewandte Chemie International Edition*, 57(16):4164–4169, 2018.

[5] Wikipedia. Automatic summarization. `https://en.wikipedia.org/wiki/Automatic_summarization`. Accessed: 14 Sept, 2016.