

Thesis Title

Semester/Master Thesis

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Abstract

An abstract is a short summary placed prior to the introduction used to help readers determine the purpose of the thesis. While the length of the abstract varies by field of study, it is typically a paragraph in length (3-5 sentences), and never more than a page.

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Chapter 1

Introduction

Motivate the problem, introduce your work and give an overview of the report.

1.1 Motivation

The motivation to write this thesis was ...

1.2 Task and Goals

Describe your task and the goals you achieved.

1.3 Overview

Section 2 describes ..., Section 3 presents ...

Chapter 2

Background and Related Work

A large part of the work undertaken during this project requires a significant understanding on how a particular deep learning architecture, the Transformer works. In this section, we will cover some of the required background and insights drawn from the Transformer architecture which were needed to solve our problem. We can also refer to such a section 2.1.

2.1 Background on Transformers

We will write this section similar to the section from the HotNets paper. More details on relevant transformers will be added, figures will be reused with credit as per required. Use ?? where needed, zotero will export all of this.

We can also add a figure ??.

Tables can also be useful.¹

Column 1	Column 2 (additional line)	Column 3
C1,R2	C2,R2	C2,R3
C1,R3	C2&C3,R3	
C1,R4	C2,R4	C3,R4

Table 2.1: Table 1

2.2 Related Work

Is there much to add here? We claim that no one really tried to solve this problem as it was a "lost" cause. However, maybe some references such as MimicNet/Aurora can be added here added here, as we did look at them to an extent.

If we refer to another paper, book, website, ... we add a citation [?].

¹Tips for beautiful tables: <https://texdoc.net/texmf-dist/doc/latex/booktabs/booktabs.pdf>

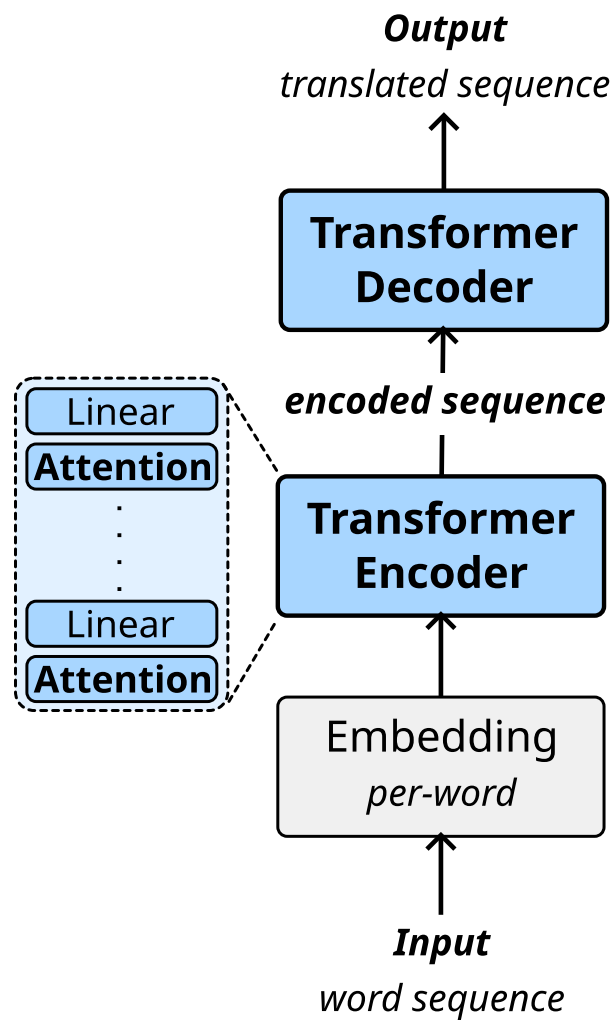


Figure 2.1: This is a sample image, credits: Alex

Chapter 3

Design

3.1 Network Traffic Transformer (NTT)

This chapter describes your work in detail and is normally the longest chapter. You can also create multiple chapters describing your work.

It is often useful to format your text with **bold** or *italic words*. In addition, it can be helpful to format text as verbatim:

```
Verbatim representation
  of      my
text.
```

Finally, you can also add a mathematical formula inline $a^2 + b^2 = c^2$ or in its own block:

$$\cos(2\theta) = \cos^2 \theta - \sin^2 \theta \tag{3.1}$$

3.2 Dataset Generation

Note: Will decide later if we want to move this to a new chapter or not.

Chapter 4

Evaluation

Another important chapter is the evaluation which should clearly describe the experiments you performed (setup, number of measurements, ...), show the results you achieved in figures and/or tables and discuss and compare the results.

Chapter 5

Outlook

What are consequences of your work? Do you see possibilities for future work?

Chapter 6

Summary

Give a final, short summary of your work.

Appendix A

My Appendix

If you want to add material which is not absolutely necessary to understand and follow your work, put it in the appendix. Here you could also show important code snippets or additional plots.