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jIdeaGenerator

**A Novel Approach to Idea Generation in
Statically-Typed Languages**

Bachelor Thesis

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Abstract

In less than one page, you have to briefly provide the following information:

- What is the **PROBLEM** you are trying to solve? Or what is the research **QUESTION** you are trying to answer?
- Why is this problem/question worth solving/asking? Who would care?
- How have other people in the past tried to solve/answer it?
- What is your **NEW** approach to solving/answering this problem? Or what improvement are you making on an existing solution?
- How do you prove that the solution you came up with is a **GOOD** solution?
- How do you demonstrate that your solution works?

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1

Introduction

Start a summary of the problem you are trying to solve and your approach.

Structure of this Thesis Usually, this chapter should end with a “Structure of this Thesis” section, which briefly clarifies the structure of your thesis.

2

Related Work

Describe the field in general and how others have tried to solve this problem.

Your goals are to:

- show you are aware of current state of knowledge (theoretical, methodological, applied) that relates to your research topic
- To indicate a gap/question worthy of investigation

3

The Problem Statement

describe in detail the problem you are trying to solve.

4

The Approach

describe your approach to solving the problem. Describe any potential weaknesses of your approach.

5

The Implementation

describe how you implemented your approach. If it is a software system give diagrams, relevant algorithms etc.

packages that you can look at for code formatting:

- <http://mirror.unl.edu/ctan/macros/latex/contrib/minted/minted.pdf> - <https://en.wikibooks.org/wiki/LaTeX>

6

The Evaluation

describe how you evaluated to show that your approach was successful. You may need a methods section, a results section and a conclusion section.

7

Conclusion and Future Work

summarize your thesis again as in the introduction. Describe how your evaluation revealed that your system is successful. Describe future work in this area.