



Università
della
Svizzera
italiana

Faculty
of
Informatics

Bachelor Thesis

May 21, 2025

How do children search?

A tool to support researchers in understanding how children search for information online

Costanza Rodriguez Gavazzi

Abstract

Abstract goes here ...

Context Problem Limitations in SOA Contribution and Findings

You may include up to six keywords or phrases. Keywords should be separated with semicolons.

Keywords:

Advisor:

Monica Landoni

Co-advisor:

Diletta Micol Tobia

Approved by the advisor on Date:

Contents

1	Introduction	2
2	Background and Related Work	2
2.1	subsections	2
3	Requirements	2
3.1	The main idea	2
4	System Design	2
4.1	2
5	Usage Scenarios and Future Work	3
6	Summary	3

1 Introduction

Acknowledge seminal work in the area (very similar tool or research) In the last paragraph list all your contributions Add a subsection titled “Report structure” where you briefly discuss the content of each following section (e.g., In section 2, we review previous studies in the context of).

Context Problem Limitations in SOA Contribution and Findings

Start writing your intro here. You can then use the following commands in your LaTeX document: [?] To insert a citation where label is the label of a bibliographic entry in a .bib file. For instance:[?]

2 Background and Related Work

[1] [2] [3] [4] [8] [5] [7] [6] [9] [10] [11]

2.1 subsections

Explain all acronyms and abbreviations. For example, the first time an acronym is used, write it out in full and place the acronym in parentheses. When using the Graphical User Interface (GUI) version, the use may...

3 Requirements

3.1 The main idea

Some of the various techniques are listed below:

- tech 1
- tech 2

You may write the formulas as follows:

$$\phi(n) = (p - 1) \cdot (q - 1) \quad (1)$$

To insert a figure use the following command:



Figure 1. The caption of my figure

4 System Design

4.1

¹.

¹<https://www.usi.ch>

5 Usage Scenarios and Future Work

6 Summary

Future works goes here.

References

- [1] M. Aliannejadi, M. Landoni, T. Huibers, E. Murgia, and M. S. Pera. Children's perspective on how emojis help them to recognise relevant results: Do actions speak louder than words? In *CHIIR '21: Proceedings of the 2021 Conference on Human Information Interaction and Retrieval*, Canberra, Australia, March 14–19 2021.
- [2] A. Amin, M. Shidujaman, and B. Wang. Improving hci on cognition for children with intelligent ui/ux. In *Conference on Human-Computer Interaction*, 2022.
- [3] K. Chen. An interactive design framework for children's apps for enhancing emotional experience. *Interacting with Computers*, 2022. Advance Access published on 28 December 2022.
- [4] M. Imazu, S. Nakayama, and H. Joho. Effect of explicit roles on collaborative search in travel planning task. In *Proceedings of the International Conference on Information Seeking and Retrieval*, 2017.
- [5] M. Landoni, M. Aliannejadi, T. Huibers, E. Murgia, and M. S. Pera. Have a clue! the effect of visual cues on children's search behavior in the classroom. In *Proceedings of the ACM Conference on Human Information Interaction and Retrieval (CHIIR)*, Canberra, Australia, March 14–19 2021.
- [6] M. Landoni, T. Huibers, M. Aliannejadi, E. Murgia, and M. S. Pera. Getting to know you: Search logs and expert grading to define children's search roles in the classroom. In *Proceedings of the ACM SIGIR Conference on Human Information Interaction and Retrieval (CHIIR)*, 2021.
- [7] M. Landoni, T. Huibers, E. Murgia, M. Aliannejadi, and M. S. Pera. Somewhere over the rainbow: Exploring the sense for relevance in children. In *Proceedings of the ACM Conference on Human Information Interaction and Retrieval (CHIIR)*, 2021.
- [8] M. Landoni, M. S. Pera, E. Murgia, and T. Huibers. Inside out: Exploring the emotional side of search engines in the classroom. In *Proceedings of the 28th ACM Conference on User Modeling, Adaptation and Personalization (UMAP)*, Genoa, Italy, July 14–17 2020.
- [9] S. Rutter, P. D. Clough, and E. G. Toms. Using classroom talk to understand children's search processes for tasks with different goals. *Information Research*, 24(1), 2019.
- [10] S. Shiga, H. Joho, R. Blanco, J. R. Trippas, and M. Sanderson. Modelling information needs in collaborative search conversations. In *Proceedings of the 40th International ACM SIGIR Conference*, Shinjuku, Tokyo, Japan, August 7–11 2017.
- [11] M. Tapola, T. Mäkilä, N. Erdmann, and M. Mikkilä-Erdmann. Participating elementary school children in ui design process of learning environment: Case kidnet. In *Proceedings of the Conference on Human Factors in Computing Systems*, Turku, Finland, 2022.