Final Report: FOSH Literature Review

ALI RAEISDANAEI*, University of Toronto, Canada
JINGYUE ZHANG, University of Toronto, Canada
TIANTIAN LIN, University of Toronto, Canada
ZIQIAN QIU, University of Toronto, Canada

Our project was a systematic literature review of Free and Open Source Hardware (FOSH). Since starting to look at the literature on this subject, we have learned many things.

Firstly, the field is relatively new, yet somewhat vast at the same time. The types of hardware we are considering were very limited. There have been two journals that have been started since 2017, and our project will base most of its review. This is good news for our project since it means our review is a systematic review of almost *all* the literature on this subject.

Given the new information, we have refactored and refined some of our research questions. Some questions from the proposal may be beyond the scope of a single paper to be answered, so some may be omitted altogether.

You can see a repository of our project along with a working document ?? that goes over the details here (Not finished).

1 INTRODUCTION

2 BACKGROUND LITERATURE

We will include some of the analyses that previous researchers have done on this topic. The major references are: TODO

2.1 Where is the Freedom?

We will follow the definition of Stallman[?], as well as expanding our research to define the "open source" in hardware

2.2 Where is the Hardware?

An overview of hardware and its difficulties is needed as good background information.

3 METHODOLOGY

The main methodology of the systematic literature review is backward propagation. We started with a seed of papers on this subject, and we checked the citations used in the seeds recursively.

Part of the methodology would also be to read through all the literature in the two FOSH journals and to record summaries, benchmarks, and the licences of the hardware they proposed. These two journals are the

(1) Journal of Open Hardware
(2) HardwareX

3.1 Search strategy and selection criteria

3.2 Data extraction and analysis

3.3 Quality assessment

4 RESULTS

5 DISCUSSION

Discuss the potential future developments, opportunities, and challenges that FOSH is facing as well as identify the fields where we could focus more attention on FOSH

6 CONCLUSION

Conclude the result we found and answer the research questions.

ACKNOWLEDGMENTS

to be finished

A CRITIQUE AND SOLUTIONS

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*Both authors contributed equally to this research.

Authors' addresses: Ali Raeisdanaei, University of Toronto, Canada; Jingyue Zhang, University of Toronto, Canada; Tiantian Lin, University of Toronto, Canada; Ziqian Qiu, University of Toronto, Canada.

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