



MASTER IN
COMPUTER
SCIENCE

Evaluating the Effects of Experiencing Mixed Reality Simulations of Symptoms of Schizophrenia on Empathy in Medical Students

Master Thesis

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Abstract

Abstract (max. 1 page)

Name of the Supervisor, Group, Institute, University, Supervisor

Name of the Assistant, Group, Institute, University, Assistant

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1

Introduction

Short abstract to the chapter (a quick summary of all the sections)

- Describe the topic of the thesis with a simple language (no equations)
- Provide a motivation for working on this topic (or solving this problem). What is the impact? How important is it?
- Provide the challenges: What is hard about this topic/problem? What must be addressed?
- Provide a summary of the key ideas in this thesis
- (optional) Provide a summary and a brief intro to the chapters

2

Background

Short abstract to the chapter (a quick summary of all the sections)

- Describe the prior work relevant to the topic
- The work should be grouped meaningfully (according to the conventions in the topic) so that it is easier to get an overview.
- The number of references should be ≥ 20 for a BSc thesis and ≥ 40 for an MSc thesis.
- Introduce relevant notation and background knowledge if needed (possibly in a separate chapter)

2.1 Immersive Learning Experiences

2.2 Schizophrenia Simulations

2.3 Empathy

2.4 Prior Work

Here we describe concrete prior work that includes all three sections \wr immersive learning experiences, schizophrenia simulations, and empathy.

3

Prior Work

Here we describe concrete prior work that includes all three sections: immersive learning experiences, schizophrenia simulations, and empathy.

4

Methodology

This chapter can also be split into multiple chapters depending on the case.

Short abstract to the chapter (a quick summary of all the sections)

- Describe the problem to be solved formally and use illustrations to present it
- Describe the ideas of the approach used to solve the problem

5

Experiments

Short abstract to the chapter (a quick summary of all the sections)

- Describe the list of experiments and provide the rationale (what do you want to demonstrate with these experiments?)
- Describe all the settings needed to carry out the experiments (as if you instructed someone else to replicate them)
- Structure the experiments meaningfully: For example, first all synthetic experiments and then all experiments on real data. Another important section is to show Ablation studies, where one can demonstrate the effect of each component in the proposed solution.
- Provide both quantitative (numbers, overall statistics) and qualitative (pictures, some examples) results.
- Provide critical analysis of both quantitative and qualitative experiments: Why did something work or not work? Why better/worse?
- Focus on critical cases: Worst errors/Best performance examples. Discuss them.
- Do the experiments demonstrate achieving the original objective? Is the analysis making conclusions about the original objectives?

6

Conclusions and Future Work

Short abstract to the chapter (a quick summary of all the sections)

- Provide a summary of all the work done: Summarize the aim, the challenges, the proposed solution and the experiments
- Draw conclusions: What has worked and what has not worked? Why?
- Future work: What should be done next? Why?

A
ap1

A.1 apsec1

List of Tables

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Bibliography

- [1] L. Cunico, R. Sartori, O. Marognolli, and A. M. Meneghini. Developing empathy in nursing students: a cohort longitudinal study. *Journal of Clinical Nursing*, 21(13-14):2016–2025, 2012.

Erklärung

gemäss Art. 28 Abs. 2 RSL 05

Name/Vorname:

Matrikelnummer:

Studiengang:

Bachelor ☐ Master ☐ Dissertation ☐

Titel der Arbeit:

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LeiterIn der Arbeit:

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Ich erkläre hiermit, dass ich diese Arbeit selbständig verfasst und keine anderen als die angegebenen Quellen benutzt habe. Alle Stellen, die wörtlich oder sinngemäss aus Quellen entnommen wurden, habe ich als solche gekennzeichnet. Mir ist bekannt, dass andernfalls der Senat gemäss Artikel 36 Absatz 1 Buchstabe o des Gesetzes vom 5. September 1996 über die Universität zum Entzug des auf Grund dieser Arbeit verliehenen Titels berechtigt ist.

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Ort/Datum

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Unterschrift