

BACHELOR PAPER

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Program TW

Integrating Assistive Technology (Working title)

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Vienna, January 8, 2018



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Schlagworte: Assistive, Technologie, Software, Integration, Einbindung, Bewegungserkennung, Computer Vision

Abstract

Hello, here is some text without a meaning. This text should show what a printed text will look like at this place. If you read this text, you will get no information. Really? Is there no information? Is there a difference between this text and some nonsense like “Huardest gefburn”? Kjift – not at all! A blind text like this gives you information about the selected font, how the letters are written and an impression of the look. This text should contain all letters of the alphabet and it should be written in of the original language. There is no need for special content, but the length of words should match the language.

Keywords: assistive, technology, software, integration, motion recognition, computer vision

Acknowledgements

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1 Introduction

yes hello this is asterics
paragraph?

1.1 State of the art

1.2 Combination of existing technologies

2 Method

2.1 Prerequisites

2.1.1 Utilized software

2.1.2 Required hardware

2.2 Implementation

2.2.1 Implementation of Handtracking

RealSense and OpenCV

Gesture recognition

2.2.2 Integration into framework

Creation of AsTeriCS plugin

Java Native Interface

3 Results

3.1 Technology integrated

3.2 Usage of Asterics

3.2.1 Plugin Configuration and Options

3.2.2 Tracking and Information Window

4 Discussion

4.1 Steps for approaching integration

4.1.1 Analyzing extensibility concepts

4.2 Combining different programming languages

4.2.1 Virtues and choosing languages

4.2.2 Difficulties and compensation

Bibliography

List of Figures

List of Tables

List of Code

List of Abbreviations

ABC Alphabet

WWW world wide web

ROFL Rolling on floor laughing

A Anhang A

B Anhang B