

CodeSpeech: Eclipse plugin for Java programming by voice

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MASTERARBEIT

eingereicht am
Fachhochschul-Masterstudiengang

Mobile Computing

in Hagenberg

im Juni 2019

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Declaration

I hereby declare and confirm that this thesis is entirely the result of my own original work. Where other sources of information have been used, they have been indicated as such and properly acknowledged. I further declare that this or similar work has not been submitted for credit elsewhere.

Hagenberg, June 17, 2019

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Abstract

The idea is to use speech recognition engine and machine learning techniques to create a program/plugin that will enable programming by voice. Voice commands should be recognized and appropriate actions should be taken. Actions should create main structure of the code, enable navigation in IDE as well as code modification, running and debugging a program. The reason behind creating a program like this is to help people with RSI or disabilities to work as a programmer or simply to help programmers keep healthier lifestyle (programming while walking).

Chapter 1

Introduction

Chapter 2

Related work

[8] [9] [13] [7] [18] [15] [5] [17] [10] [3] [22] [23] [2] [1] [21] [16] [19] [4] [14] [6] [11] [12] [20]

Chapter 3

Method

Chapter 4

Implementation

Chapter 5

Evaluation

Chapter 6

Conclusions

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