

Project Proposal

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1 JiuJutsu Training Kinect Application

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Proposed To: Assoc. Prof. Georg Jung

Motion and gesture input programs are spreading in software development during the past few years. This project will use Microsoft Kinect to focus on creating an application that will take a group of gestures and moves, using JiuJutsu moves in the application, and compares them to a library of moves that are used as reference to measure the differences between the captured move and the reference move. The project will also focus on measuring the impact of certain striking moves in different methods either by sound or by a sensor equipped thaipad depending on the situation of the practice session being captured.

1.1 Tasks

- Creating the library for the moves to be used as a reference.
- Measuring and calculating the delta between the two moves, reference and captured move or previous user moves.