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| **MEETING PARTICIPANTS** | |
| **CORE TEAM** | Noah Rieth  Molly Meadows  Xian Gao |
| **OTHERS** | Dr. Alex Vakanski |
| **MEETING LOGISTICS** | Agenda: See below  Meeting conducted: Zoom |
| **MEETING CONTENT** |  |

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| **MEETING SUMMARY** |
| **Agenda**   1. **Discuss Progress with Client about OpenPose and MotioNet** 2. Ask what model we should use for the machine learning 3. How can we store big files (git sometimes is not enough for big files) 4. Ask about any other libraries we can use for skeletal extraction besides OpenPose 5. How are we going to do training? 6. Videos – do we collect them and what is a good measuring tool to find a correct exercise? |
| **Notes**  **Old Business**   1. Research MotionGPT and CMU perceptual computing lab. 2. Find an apparently openposes most recent published model.   **New Business**   1. Extract skeletal information for the squat exercise or for all exercises from videos 2. Apply the pretrained VQ-VAE model to convert the motions into tokens 3. Apply data preprocessing 4. Process the movements using OpenMotionLab/MotionGPT based on the paper by Jiang 5. Record videos with smart phones and repeat the above procedure |
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