

Human Body Pose Estimation

Bachelor's Thesis, Seminar Project



Description:

Knowing the full body pose of humans (as illustrated above) is important for many applications, such as human-computer interaction, sports game analysis or activity understanding. In this project, we will investigate state-of-the-art approaches (e.g. Cao *et al.*, CVPR'17) and implement a framework to detect the human pose from 2D images.

This project can be scaled from a *Bachelor's Thesis* to a *Seminar Project*, depending on your qualifications/requirements.

Objective:

- Review state-of-the-art approaches
- Implement train/test algorithms
- Improve algorithms (optional)

Qualifications:

- Programming skills: C++ and/or MATLAB
- Interest in Machine Learning
- Interest in GPU Programming

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