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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