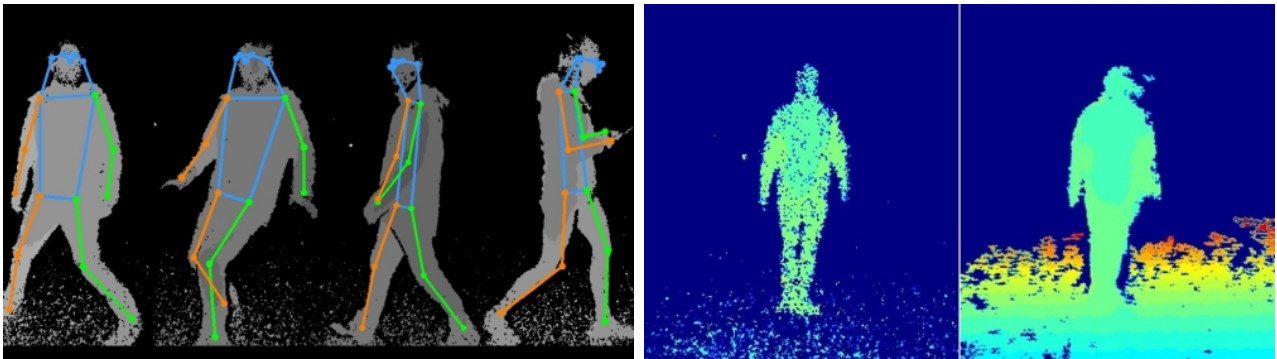


# Towards Robust Human Pose Estimation on ToF Sensor Data

Bachelor Thesis / Seminar Project / Master Thesis



## Objective:

This project focuses on understanding the performance of black-box models for human pose estimation on noisy depth data acquired from Time-of-Flight (ToF) systems.

By leveraging both classical computer vision techniques and state-of-the-art AI/deep learning models, you will contribute to advancing machine perception with applications in traffic analysis, situational awareness for pedestrians and cyclists, and behavior prediction.

## Qualifications:

- Experience in Python
- Interest in Computer Vision and Machine Learning
- Knowledge of deep learning frameworks is advantageous

## To be investigated:

- MMPose:  
<https://github.com/open-mmlab/mmpose>
- ITOP Dataset:  
<https://zenodo.org/records/3932973>

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