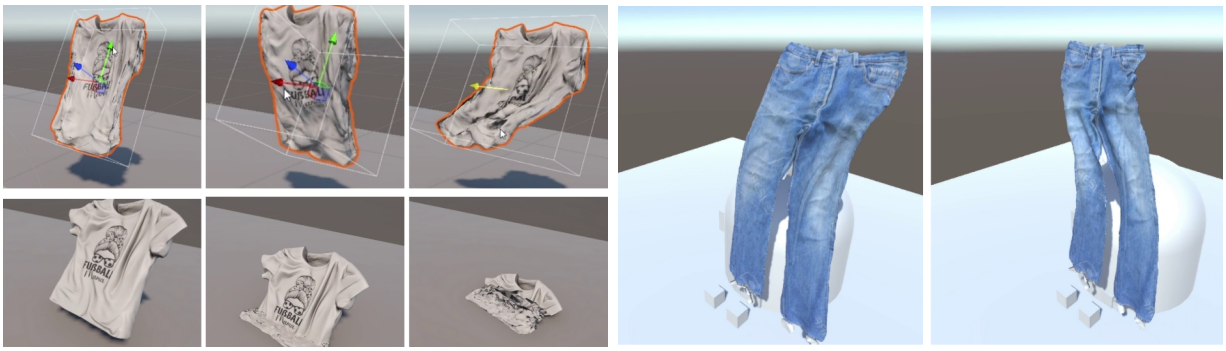
Team Possegger
Institute of Visual Computing
Graz University of Technology

Synthetic Data for Enhanced Defect Detection in Second-Hand Garments

Bachelor Thesis



Objective:

The goal of the project is to investigate the effectiveness of synthetic data augmentation for automatic defect detection in second-hand garments. The focus will be on integrating synthetic data into the training process of several models and evaluating its impact on brand marker and defect detection performance.

Qualifications:

- Proficiency in Python
- Successful completion of CV course
- Experience with Machine Learning
- Knowledge of deep learning frameworks such as PyTorch is advantageous

Press coverage:

- **Kleine Zeitung**: "Saubermacher arbeitet an KI-gestütztem Sortiersystem für Alttextilien" (*10.09.2025*)
- **Kronen Zeitung**: "KI soll Müllberge an Altkleidern schrumpfen lassen" (*10.09.2025*)

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