Bachelor/Master Thesis:

Machine Learning for Scene Understanding and Representation

- Setting:
  - We have multimodal recordings of humans performing everyday activities (e.g., in the kitchen)
  - We want to represent that data to support open, semantic queries
  - Make use of existing large-scale knowledge bases

- Tasks:
  - Use neural networks for representation learning
  - Extend the approach to generalize to new, unseen situations from little data (zero-shot learning)
  - Use the representation for answering different questions about the data

- Requirements:
  - Good programming skills (preferably Python)
  - Knowledge in machine learning
  - Interest to work on an actual research question

- When: As soon as possible

KONTAKT:
Felix Putze
E-Mail: felix.putze@uni-bremen.de