

Hiwi position

Face Detection



Background

At the cv:hci lab, we are using a very fast and reliable face detection algorithm. While it gives very good results for frontal faces, the results for non-frontal faces and eyes leave room for improvement. This concerns on the one hand the preparation of the training data and experimentation and on the other hand algorithmic improvements.

Tasks

- Experiment with different training sets and parameters
- Collect training sets for non-frontal face detectors
- Implement algorithmic improvements to the current approach

Requirements

- Ability to work independently
- Interest in the topic
- Knowledge and experience with basics of computer vision (e.g. KogSys lecture)
- Good C++ programming skills

Contact

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