**Objective:**

Machine learned feature detectors are a recent alternative to traditional feature detectors like Harris, SIFT or SURF features. One example are Super Points developed by Magic Leap ([https://github.com/MagicLeapResearch/SuperPointPretrainedNetwork](https://github.com/MagicLeapResearch/SuperPointPretrainedNetwork)).

In this project the usefulness of these Super Points should be evaluated for use in a Structure-From-Motion pipeline. Furthermore, the Super Points should be integrated into the institute's 3D reconstruction software I3D.

**Qualifications:**

- OpenCV / C++
- PyTorch

**Contact ICG:**

Friedrich Fraundorfer (fraundorfer@icg.tugraz.at)