**Objective:**
We will investigate how to efficiently localize a self-driving vehicle within a pre-recorded 3D map of the environment. To this end, we will exploit 3D registration techniques, structure-from-motion reconstructions and visual cues.
Evaluation will be performed on data recorded by real autonomous cars in cooperation with *ALP.lab*, a test center for driver assistance systems and autonomous vehicles.

**Qualifications:**
- Interest in Computer Vision
- Programming skills: C++, optionally Python

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