Intelligent Vehicles Lab

Research Master
Release date: May 2023
Starting date: 01.10.2023

Figure 1: Manual labeling tool with suggestions. [neptune.ai]
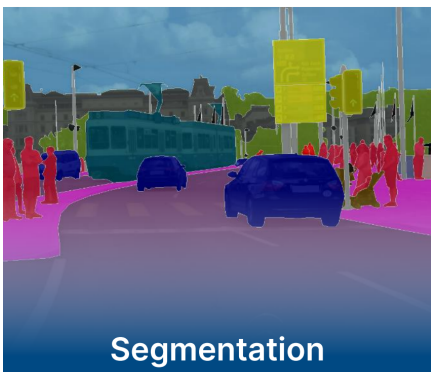

Segmentation

Figure 2: Segmented image as alternative for labeld data. [lotus-qa.com]

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Research Master | Automatic labeling network

Description

- Large models require massive amounts of data because it empowers autonomous vehicles to learn and make informed decisions, leading to enhanced performance and safer transportation systems.

- Therefore, the Intelligent Vehicles (IV)-Lab is looking for a **Research Master (m/f/d)** to support research in the field of autonomous driving starting in the coming winter semester.

Your Project

- Implement an automatic labeling pipeline (see 1)

- Process real-life data from autonomous vehicles

- **Goal**: Create a full pipeline that can process massive amounts of data from multiple sensors

- **Optional Extension**: Create a pipeline that can be ran in parallel to perform image segmentation (see 2)

Your Profile

- Willingness to learn and interest in the topic of autonomous driving

- Ability to work independently, conscientiously, and accurately

- Previous experience with Python is required

- Previous experiences with Linux, Bash, and git are a plus

What we offer

- Gaining first experiences in one of the most promising technical fields of modern times

- Guidance and tailored lectures across multiple universities in Munich

- Supervision and close cooperation with a PhD candidate in the corresponding field

- Optional extension to an SHK-position with flat-rate payment

Does this appeal to you? Are you interested in the field of autonomous driving? Then reach out to us via mail and send a short introduction, your current grade report, and a cv with a photo.