The Computer Vision Lab (www.cvl.tuwien.ac.at) at TU Wien announces a research position for a

<h1 style="text-align:center; color:#2e9be0;">Diploma/Master Student</h1>

to work on the "SyntheticCabin" project starting in **April 2021** (or earlier).

We are looking for a highly motivated diploma/master student of Informatics (or related studies) with a background in **computer vision** and **machine learning** and strong interest in **autonomous driving applications**. The successful candidate will work in a team of academic and industrial partners on the "SyntheticCabin" project, funded by the Austrian Research Promotion Agency (FFG).

The project targets the development of an intelligent driver/occupant monitoring system in the field of assisted/automated driving. Work on the project will entail the development of computer vision and (deep) learning algorithms for detecting, interpreting and predicting human poses, movements and actions inside a vehicle. Special attention will be paid to a suitable selection of synthetic versus real data for training and testing deep learning models and related evaluation studies.

The topic of the **diploma thesis** will be defined in more detail in coordination between the student and supervisor.

We are looking for highly motivated candidates that meet several of the following requirements:

• Excellent academic record

• Strong background in computer vision

• Knowledge in deep learning algorithms

• Strong interest in assisted/autonomous driving applications

• High ability of algorithmic thinking

• Good programming skills in C++ and Python

• Good knowledge of English

The employment will be for 20 hours/week with a salary (according to the collective agreement used at Austrian universities) of approximately €1.050 per month.

To apply or for further enquiries, please send an email to:

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