The department for Vision & Imaging Technologies (VIT) is looking for a student for computer vision projects with event cameras

Event cameras use a novel type of image sensor that is inspired by biological eyes. These cameras don't have a shutter mechanism and are instead measuring light-brightness changes continuously as well as asynchronously for each pixel individually.

This results in a stream of so called 'events' and represents a completely new imaging paradigm compared to the frame-based output of conventional cameras. At VIT, we are joining the growing research community around this technology and are exploring multiple applications of event-based computer vision projects.

Job description:

Your tasks will consist of all common steps of a computer vision project life cycle. This includes among others the planning and execution of experiments, the post processing and labelling of collected data, as well as the writing and maintenance of software needed for any of those steps.

Your qualifications:

- enrolled in a related study program (computer science, mathematics, engineering, etc.)
- good programming skills in Python and C++
- good understanding of common computer vision and machine learning techniques
- good understanding of the design of robust machine learning pipelines

What we offer:

- working on interesting projects with state of the art technologies
- an autonomous and creative working environment

If you are interested, please contact

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https://www.hhi.fraunhofer.de/en/departments/vit.html