Graz University of Technology is the longest-established university of technology in Austria. Here, successful teams of students, talented up-and-coming scientists, ambitious researchers and a lively start-up scene enjoy an inspirational environment as well as access to top-quality equipment. And all this in one of the most innovative and livable regions in Europe. TU Graz offers an inspiring working environment with outstanding infrastructure and service-oriented university management.

The Vehicle Safety Institute aims to make future mobility safer and more sustainable thereby combines zero emissions with VisionZero in their research collaborating with international universities, car manufactures, suppliers and assessment institutions.

Within our research, tests are carried out on self-developed test benches as well as simulations in various environments (from battery deformations to injury prediction with virtual human models and interactions of automated vehicles with other road users such as pedestrians). This requires methods for conducting experiments and analysing data, where the development of our own, tailor-made, software is becoming increasingly important. We are therefore looking for people who can support our interdisciplinary software team in the further development of ideas and contribute with new impulses.

The Vehicle Safety Institute at TU Graz has an opening for a

**University Project Assistant / PhD Position (m/f/d) in the field of software design**

30-40 hours/week, Start by arrangement

**Duties and Responsibilities:**
- Design, creation and further development of software (design, programming, software documentation) in the various application areas of vehicle safety (data analysis, test execution, test bench programming, simulation, machine learning), depending on the area of interest.
- Development and implementation of (automated) software tests
- Application of self-developed software for scientific questions in the field of vehicle safety
- Possibility of a dissertation (if you already have a Master's degree, otherwise other employment is also possible).

**Required Skills and Qualifications:**
- Completed master or diploma studies, preferably degree in "Information and Computer Engineering", "Computer Science" or "Software Development"
- Good knowledge of software design and development (preferably in Python) Profound English skills
- You enjoy data analysis and interactive presentation in web applications
- Willingness to learn and curiosity about complex contexts (analytical grasp)
- High motivation and independence

**We offer:**
- Working in an interdisciplinary team to make mobility safer and more sustainable for everyone
- Broad, varied field of work with individual development opportunities
- Flexible working hours and the possibility to work from home
- The opportunity to implement your own ideas
- Crisis-proof employer with an international reputation
- Company health management and many benefits (e.g. subsidy for public transport, further education,...)

We offer a minimum annual gross salary based on full-time of € 42,820.40, overpayment possible depending on qualification and experience.

Graz University of Technology actively promotes diversity and equal opportunities. People with disabilities and who have the relevant qualifications are expressly invited to apply.

Protecting the health of our students and employees is of high importance to our university. For this reason, equally qualified candidates who are fully vaccinated against COVID-19 will be given preference.

We look forward to receiving your complete application (preferably with GitHub, GitLab, Bitbucket account) at office.vsi@tugraz.at.

**Contact**

Graz University of Technology
VSI - Vehicle Safety Institute
Infeldgasse 23/1, 8010 Graz

http://www.vsi.tugraz.at/

Information on data protection regulations can be found under following link: www.tugraz.at/go/datenschutzinformation-pa