



Pro²Future – Products and Production Systems of the Future – is a COMET competence center that attempts for next generation products and manufacturing machinery with embedded cognitive capabilities. It is a joint effort of world leading Austrian industrial enterprises and the nation's top scientific institutions in ICT and Production Engineering: Johannes Kepler University Linz, Graz University of Technology and Profactor GmbH. Furthermore, it is endorsed by the Provinces of Upper Austria and Styria, Austria's strongest regions in industrial leadership. Pro²Future operates three research sites in Linz, Graz and Steyr.

To broaden and support our research activities in the field of computer vision we are currently offering the position of a

Student Researcher (f/m/d)

Part-time (up to 15 hours/week), at Pro²Future GmbH in Graz (Campus Inffeldgasse, TU Graz) or Linz (Science Park at Johannes Kepler University Linz)

Project context:

Within the project we investigate vision-based solutions for edifices e.g. tunnels, suitable for supporting tunnel safety and maintenance operations. Overall, two topics are investigated: (i) deep learning-based object detection and (ii) mechanisms for detecting changes on surfaces over time.

Job profile:

The successful candidate will be engaged in designing and implementing solutions in the forementioned topics. To this end, one or more of the following skills are required: Knowledge with computer vision and graphics techniques, ideally vision based deep learning, and software development skills.

The successful candidate seeks an ambitious activity in industry-driven research and is particularly willing to obtain a Master Thesis under supervision of Prof. Dr. Friedrich Fraundorfer ([TUG ICG](#)).

The successful candidate will work within a project team consisting of experts including the industrial partners, project management and scientific partners. Project work will also involve collaboration and knowledge exchange with the Pro²Future partners, several research groups as well as participating in the international research community, e.g. through publications and presentations.

Your qualification:

- A bachelor-level degree in computer science, information systems, information science, electrical engineering, telematics, or related studies.
- Strong interest in computer vision techniques and deep learning.
- Programming skills in a current development environment (C++, C#, Python, Java).
- Fluent English or German, written and spoken.
- Ability to start immediately.

We offer:

- The opportunity to align this work with your master thesis.
- We will provide the successful candidate with a collegial and supportive environment to establish themselves, their master thesis and help develop their career, i.e. towards a Ph.D.
- Full-time (38.5H/W) gross salary for this position would be 2,424 Euro per month (14 times a year).

Pro²Future GmbH is an equal opportunity and family-friendly employer. We particularly welcome applications from women and international candidates.

To apply for this position, please send your application (including CV, supporting documents, letter of motivation) via email to: jobs@pro2future.at