

Cognify your Products and Production Systems with Pro²Future



Pro²Future - Products and Production Systems of the Future - is an industry-related and independent research centre in the field of artificial intelligence (AI) and cognitive / industrial ICT with a focus on cognitive products and production systems. These are supported by the areas of Perception and Aware Systems, Cognitive Robotics and Shop Floors, and Cognitive Decision Making. Further fields of activity of the centre cover mechatronic systems, embedded systems, pervasive computing systems and big data analytics. We are currently offering the position of a

Researcher position

for PhD candidates within the topic "Cognitive Decision Making"

Fulltime (38,5 hours/week), at one of the Pro²Future GmbH locations in Graz or Linz

Project context

In the "Cognitive Decision Making" research area, we are investigating the aspect of computer-aided decision-making, from the creation of novel analysis techniques for big data to the development of classification systems for industry and the development of industrial systems that autonomously predict undesirable system states and take preventive and unobtrusive corrective action. Targeted research deals with computational data analytics - involves the use of algorithms to analyse large amounts of data, gain meaningful insights and make data-driven decisions. This approach often uses various computer methods such as machine learning, statistical analysis, and data mining to derive patterns, trends and correlations from complex data sets.

Job profile

The candidate will work intensively with data-driven methods. This requires sound knowledge in the areas of machine learning, deep learning and statistical methods for data analysis. Knowledge of software development is also an advantage. The candidate is also looking for an ambitious position in application-oriented research and is particularly willing to work under the supervision of Ass. Prof. Dr Roman Kern at the TU Graz. The candidate will be part of an interdisciplinary project team consisting of experts including business partners, project management and scientific partners. The candidate will play a significant role in the design and implementation of the research content of the project. Research work also includes collaboration and knowledge exchange with Pro²Future partners, with several affiliated national and international research groups beyond the project scope and participation in the international research community.

Your qualifications

- University degree in computer science, computer engineering, mathematics or similar
- Experience and practical knowledge of programming languages and tools (e.g. Python, Java, Git, etc.)
- Interest in large language models is not a prerequisite, but is appreciated
- High affinity for research, interest in shaping future technologies
- Independent and reliable way of working, enjoy working in a team
- Fluent in English or German
- Willingness to travel between the Pro²Future GmbH locations
- Flexibility, willingness to learn, openness and commitment



Our offer

- The opportunity to work in a highly qualified, international, young, and dynamic research team
- Collaboration in innovative, beyond-state-of-the-art research projects
- Opportunity for doctoral studies and completion of a PhD
- Opportunity for personnel development in a learning and respectful environment
- Great emphasis on gender, diversity, and equal opportunities
- Flexible working hours, flat organizational structures, fun at work
- Full-time gross salary per month EUR 3,500.00 EUR



Pro²Future GmbH aims to increase the proportion of women in the research area - we are therefore particularly looking forward to applications from qualified women!



Katarina Petrovic, MSc



I work in the comprehensive optimization, where we research novel approaches to extract knowledge over the product lifecycle.

Matej Vukovic, M.Inf.



Our results give an insight into the Key Influencing Parameters for Blast Furnace and Electric Arc Furnace Operations in the Metal Industry.

Dr. Oujidane Guiza



I work on privacy respect and monitoring of human intensive assembly processes and cognitive line balancing support.



Flex-Worktime



Free Coffee



High-end Equipment



Home-Office



Internal Trainings & Study Opportunities



Structured Onboarding



Fresh Fruits



Restaurants & Mensa



Brand New Offices



Employee Events



Public Transport



Central Location



Food Allowance

To apply for this position, please send your application (including CV, supporting documents, letter of motivation), via e-mail to: jobs@pro2future.at. Pro²Future GmbH, z.H. Mag. (FH) Sandra Neuhold-Pauer, Altenberger Straße 69, 4040 Linz, Standort Graz: Inffeldgasse 25F, 8010 Graz, Tel.: +43 664 / 8889 2189.