

# Cognify your Products and Production Systems with Pro<sup>2</sup>Future



Pro<sup>2</sup>Future - 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

## PhD Candidate (m/w/d) within the topic "Cognitive Decision Making"

Full-time (38,5 hours/week), at Pro<sup>2</sup>Future GmbH in Linz (Campus of Johannes Kepler University 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, and visual data science - involves the use of algorithms and visualizations to analyze 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 visualizations to derive patterns, trends, and correlations from complex data sets.

### Job profile

Under the guidance of the Area Management, the candidate will be deployed in the entire portfolio of application-oriented research projects in the research area. Based on his or her in-depth knowledge and expertise in visual data analysis, visualizations, dashboard development and programming languages, he or she will successfully support the researchers in order to realize the objectives of the projects. Previous experience in industry or in industry-related projects enables the candidate to fully understand, communicate and manage the requirements set by industry in the research projects. Within the scope of the project the candidate should also be willing to obtain a PhD under supervision of Univ.-Prof. DI Dr. Marc Streit at the JKU.

### Your qualifications

- University degree in computer science, computer engineering, mathematics or similar
- Experience and practical knowledge of programming languages and tools (e.g. Python, Javascript, HTML, CSS, TypeScript, etc.)
- Expertise with Power BI is not a prerequisite, but is appreciated
- High affinity for applied 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 Pro<sup>2</sup>Future GmbH locations
- Flexibility, willingness to learn, openness and commitment



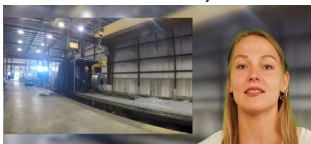
### Our offer

- 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 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



Pro<sup>2</sup>Future GmbH aims to increase the proportion of women in the research area - we are therefore particularly looking forward to applications from qualified women!

Jaroslava Huber, MSc



*My focus lies on the investigation of next generation AI Systems to increase occupational safety and accident prevention in industrial settings.*

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. Ouidane Guiza



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



Flexi-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](mailto:jobs@pro2future.at). Pro<sup>2</sup>Future GmbH, z.H. Mag. (FH) Sandra Neuhold-Pauer, Altenberger Straße 69, 4040 Linz, Standort Graz: Inffeldgasse 25F, 8010 Graz, Tel.: +43 664 / 8889 2189.