



Cognitive and Sustainable Products and Production Systems of the Future

Pro²Future – Cognitive and Sustainable Products and Production Systems of the Future - is an industry-related COMET K1 Research Centre in the field of artificial intelligence (AI) and cognitive / industrial ICT, human-machine-interaction (HMI) and data-driven process optimization with a focus on cognitive and sustainable products and production systems. These are supported by the areas of Perception, Orchestration and Analytics. Further fields of activity of the Centre cover mechatronic systems, embedded systems, pervasive computing systems and big data analytics.

For strengthening our team, we are currently offering the position of a

Front-end Developer (m/w/d) within the topic "Data Analytics"

Full- or Part-time (38,5 or 30 hours/week), at Pro²Future GmbH location in Linz (Campus JKU Linz)

Project context

In the "Analytics" 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 industrial systems that autonomously (i) monitor production processes (ii) identify or predict undesirable system states and, (iii) take preventive and unobtrusive corrective action. Targeted research deals with computational data analysis and visual data science (involving the use of algorithms and visualizations) to analyze data, gain meaningful insights, and make data-driven decisions. This approach often uses various computation methods such as machine- deep 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 involved in the full 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, front-end development and programming languages, he or she will successfully support the researchers 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.

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, React, Pandas, TypeScript)
- Experience and practical knowledge in Machine- and Deep Learning
- Interest in Large Language Models 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 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 a master's thesis
- 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 3,000.00 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!

DI Cosmina-Cristina Ratiu



I work on cognitive engineering project support, developing an approach and tool support for modeling complex and collaborative processes.

Dr. techn. Matej Vukovic, MSc



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

DI 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. Pro²Future GmbH, z.H. Mag. (FH) Sandra Neuhold-Pauer, Altenberger Straße 69, 4040 Linz, Standort Graz: Sandgasse 34, 8010 Graz, Tel.: +43 664 / 8889 2189.