

## Junior Research Engineer (e-Xperience Associate)

### Description

### Job Description

#### What does this role involve

You will become part of the research-oriented project, aiming for open-source ML community contribution and ML conference publication. A hybrid work model guided by goals from the Research Proposal developed during the hiring process. The position is a 6-month, full-time contract with flexible working hours, aimed at those pursuing academic degrees like a master's, or beginning a PhD.

#### We are looking for people who:

- Have practical experience with Deep Learning and Big Data
- Have critical thinking skills and a theoretical understanding of ML
- Know the methodology of conducting scientific research
- Know Python and data visualization libraries at the advanced level
- Know common ML libraries (torch, transformers, pandas, numpy)
- Know English at B2+ level and can present results in verbal and written form

#### The following are also a plus:

- Experience with cloud platforms (GCP, AWS, or Azure)
- Hands-on experience with LLMs: prompt engineering, model evaluation

#### What we offer:

- A hybrid work model that you will agree on with your leader and the team. We have well-located office (with fully equipped kitchens and bicycle parking facilities) and excellent working tools (height-adjustable desks, interactive conference rooms)
- A wide selection of fringe benefits in a cafeteria plan – you choose what you like (e.g. medical, sports or lunch packages, insurance, purchase vouchers)
- English classes that we pay for related to the specific nature of your job
- The necessary tools for work
- Working in a team you can always count on — we have on board top-class specialists and experts to learn from

### Hiring organization

Candidate-1st

### Employment Type

Full-time

### Beginning of employment

asap

### Job Location

Warsaw, Poland

### Working Hours

40

### Base Salary

euro USD 57K - 160K \*

### Date posted

May 16, 2024

- Hackathons and an internal educational platform, MindUp (including training courses on work organization, means of communications, motivation to work and various technologies and subject-matter issues)

### **Why is it worth working with us?**

- Cooperation with industry researchers with a strong publication track record, deploying ML models at an unprecedented scale anywhere else in Poland
- Access to massive one-of-a-kind, text and image e-commerce datasets
- Access to required compute and commercial LLMs from Google and Microsoft
- While working on a problem, you will conduct literature reviews and discuss findings with other team members during internal seminars

### **Research domains you may explore:**

#### Product Findability:

1. Product retrieval and listing reranking: multi-vector semantic search, robust text/image representation, object detection and segmentation, user personalization
2. Optimization of data-processing and monitoring tools for the online large-scale recommendation system: developing novel methods utilizing ML approach
3. LLM agents for product search: query understanding, raw data annotation, item comparison, automatic knowledge graph generation

#### Natural language processing:

1. LLM investigations: domain adaptation, cross-lingual transfer, performance optimization, information extraction, synthetic data generation
2. LLM agents for internationalization: MT quality evaluation, context-aware translation, localized recommendation (all for CEE languages)

Do you want to get to know us better?

Check our Blog: <https://ml.allegro.tech/>

Listen to: [Allegro Tech Podcast](#)

**Send in your CV, join the e-Xperience and see why it is #dobrzetubyc (#goodtogether)**

### **How the process will look like**

Your teammates will gather all requirements within our organization. Then, once priority has been discussed, you will decide as a team on the best solutions and

architecture to meet these needs. In continuous increments and continuous communication between the team and stakeholders, you're part of making data play an even more important (and understood) part withing Brand New Day.

### **Job Benefits**

USD 57K – 160K \*