

Stanowisko/Position:
Programista (Software Developer)

Typ projektu/Project type:

Projekt Finansowany przez Narodową Agencję Wymiany Akademickiej

Okres i forma zatrudnienia: **6-24 miesięcy, umowa o pracę na 1,0 etatu**

Termin składania ofert/Submission deadline: **25.04.2025**

Opis stanowiska/Position Description:

Director of the Institute of Computer Science of the Polish Academy of Sciences will hire a software developer in the Department of Statistical Analysis and Modelling.

Join a newly established research team to develop and apply deep learning methods for assessing breast MRI. You will be central in establishing reliable ground truth data, then leveraging this information to design and refine AI models that automatically evaluate image quality—particularly in newly emerging virtual DCE (vDCE) imaging.

Your responsibilities will be:

1. Design a structured approach (based on Likert scales) to systematically assess breast MRI quality and perform the assessment in cooperation with clinicians.
2. Collaborate with clinicians to refine evaluation protocols and maintain consistency across different datasets.
3. Develop and optimize deep learning models to classify and grade breast MRI quality features.
4. Validate and refine deep learning models using the established ground truth data.
5. Prepare and publish research findings in peer-reviewed journals and present at conferences

Wymagania/Qualifications:

1. Completed Bachelor Degree and in final semester of Master of Science or a Completed Master of Science degree in Biomedical Engineering, Computer Science or similar field.
2. Experience in Python programming.
3. Preferably first experience with image annotation tools and software.
4. Familiarity with MRI data and its processing is a plus.

Dokumenty aplikacyjne/ The application should include:

1. Scientific CV including past achievements and accomplishments (publications, conferences, research, scholarships, awards, experience, participation in workshops, trainings, scientific projects etc.), as well as competence to perform the above tasks;
2. Copy of the document confirming the highest academic degree.
3. Declaration of the candidate's acceptance, that in case of success, he will submit a statement on conducting scientific activity in the ICS PAS discipline in the field of information and communication technology and submits a statement authorizing ICS PAS to include him in the number of employees conducting scientific research in the field of information and communication technology, for evaluating the quality of business Scientific (pursuant to Article 265 (4) and Article 265 (5) of the Act of 30 August 2018 Law on Higher Education and Science, Journal of Laws 2018, item 1668, as amended as amended).
4. We kindly ask you to include the following clause: "I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment in the Institute of Computer Science of the Polish Academy of Sciences"

Dodatkowe informacje/Additional information:

The documents should be submitted to the secretary of the ICS PAS in Warsaw, ul. Jana Kazimierza 5, room 105 or by e-mail in pdf format to the address: a.olszewska@ipipan.waw.pl with the title „Competition for software developer in the DSAM for the VirtuDRel project”.

prof. dr hab. inż. Wojciech Penczek
Director of the
Institute of Computer Science of the
Polish Academy of Sciences