basque center for applied mathematics

EXCELENCIA SEVERO OCHOA

IC2026_03_01 BCAM International Call

Research Technician- TANGO Project

Job Offer	
Topics:	**BCAM, the Basque Center for Applied Mathematics is hiring a Research Technician in Machine Learning to join the Severo Ochoa Lab on Trustworthy Machine Learning, and work under the supervision of Prof. Novi Quadrianto and Prof. Jose A. Lozano.** **We are searching for a promising profile who is eager to kickstart their career as a researcher. We especially welcome candidates from under-represented backgrounds.** **The objective of the research project is to contribute to the TANGO project.** The candidate will be free to choose how to focus their efforts within this goal, whether in terms of theoretical, methodological, or applied research contributions. The proposed research will involve: Bayesian models and algorithms. Algorithmic fairness and bias. The initial contract duration will be of 2 years with ample possibilities for renewal subject to satisfactory performance and funding availability. The successful candidate will be incorporated into BCAM's doctoral programme. Artificial Intelligence (AI) holds tremendous potential to enhance human decisions and to avoid cognitive overload and bias in high-stakes scenarios. To date, however, adoption of AI- based support systems has been minimal in settings such as hospitals, tribunals and public administrations. TANGO argues that in order for AI to fully develop its enormous potential in terms of positive impact on individuals, society and economy, we need to completely rethink the way in which AI systems are conceived. People should feel they can trust the systems they interact with, in terms of reliability of their predictions and decisions, capacity of the systems to understand their needs, and

	guarantees that they are genuinely aiming at supporting them rather than some undisclosed third party. In other words, a symbiosis should be established between humans and machines, in which all parties are aligned in terms of values, goals and beliefs, and support and complement each other so as to reach objectives beyond what each would be able to do by itself. The potential impact on individuals and society of the TANGO framework will be evaluated on a pool of real-world use cases of extremely high social impact, namely supporting women during pregnancy and postpartum, supporting surgical teams in intraoperative decision making, supporting loan officers and applicants in credit lending decision processes, and helping public policy makers in designing incentives and allocating funds. The success of these case studies will foster the adoption of TANGO as the framework of reference for developing a new generation of synergistic AI systems, and will strengthen the leadership of Europe in human-centric AI.
PI in charge:	Novi Quadrianto.
Salary and conditions:	The gross annual salary of the Research Technician will be 20.258€- 28.505€, depending on the candidate's experience.
Nº Positions offered:	**1**
Contract and offer:	**2 years**
Deadline:	**20th March, 2026, 14:00 CET (UTC+1)**
How to apply:	Applications must be submitted on-line at: https://joboffers.bcamath.org

Scientific Profile Requested	
Requirements:	• Master Degree in Computer Science and Artificial Intelligence or equivalent experience and/or qualifications.
Skills and track-record:	Although the requirements can be adapted to the different candidate profiles, a strong candidate needs to possess the following skills: • Demonstrated machine learning ML expertise, in researching, training, deploying, and optimising ML

	techniques, desirably, this includes large language models LLMs. • The ability to work independently, with a high degree of self-motivation, including the organisational skills to manage projects. • Fluency in spoken and written English.
Scientific Profile:	The preferred candidate will have: • Strong programming skills, with proficiency Python, PyTorch. • Experience using software engineering tools and processes including version control, agile tooling (e.g. Jira, GitHub Projects), code reviews and pull requests. • Knowledge in algorithmic bias and fairness is desired.

Application and Selection Process	
Formal Requirements:	The selected candidate must have applied before the application deadline online at the webpage: https://joboffers.bcamath.org The candidates that do not fulfil the mandatory requirements will not be evaluated with respect to their scientific profile.
Application:	Required documents: • CV • Letter of interest in English describing which topics the candidate is interested in researching. • 2 recommendation letters • Academic record: including undergraduate and master-level courses attended and grades and scientific results achieved, and research statement is NOT required (leave blank in application form).
Evaluation:	Based on the provided application documents of each candidate, the evaluation committee will evaluate qualitatively: the adaption of the previous training and career to the profile offered, the recommendation letters, the main results achieved (papers, proceedings, etc.), the statement of past and proposed future research and other merits; taking in account the alignment of these items to the topic offered.

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Incorporation:	As soon as possible

Funded by the European Union

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