

MACHINE LEARNING RESEARCHER/DATA SCIENTIST

Baltic Institute of Advanced Technology (BPTI) seeks a machine learning researcher/data scientist.

Job Profile

BPTI conducts scientific research to pave the way for developing new ML technologies for the defense sector. Your role will include

- Contributing to the research via literature review, numerical experiments, mathematical derivations, etc.
- Fine-tuning and adapting ML methods developed by the BPTI scientists for integration into real-world systems
- Implementing these ML approaches programmatically and integrating them into end-use systems developed in collaboration with our partners

Requirements for the Applicant

Basic

- University degree in Computer Science, Electronics & Electrical Engineering, Mathematics, Physics, or another quantitative field
- Solid skills in ML-related branches of mathematics, including calculus, linear algebra, probability theory, and statistics
- Proficiency in at least one high-level programming language and development environment suitable for machine learning, numerical computing, data analysis, and visualization (e.g., MATLAB, Python, Julia) demonstrated via routine use in research or development projects
- Prior experience in machine learning, data science, or software development projects
- Use of good coding practices (naming conventions, commenting, scalability, reusability, portability, testing)

Requirements for the Applicant

Extra

- Proficiency in C, C++, or MATLAB programming
- Experience in signal processing
- Experience in numerical software development

What We Offer

- 3000 – 4500 Eur / month (gross) salary depending on the actual competencies
- Professional growth: internal and external events, online training, and conferences
- Good balance between research and product development
- Flexible work model that combines remote and in-office work
- Work in international defense and basic research projects

Application

Please send the following information to open.positions.splc@bpti.eu compiled to a single pdf file:

- Cover letter briefly describing your motivation for choosing this position in connection to your interests and previous experience,
- Curriculum Vitae.

About Us

BPTI is a private, high-tech-oriented research institute established in Lithuania in 2008. We are driven by our mission to create value by providing R&D services for global security. Our core competencies in research and innovations lie in theoretical and applied machine learning and signal processing, integrated circuit design for radar and communication systems, cybersecurity solutions, and military UX/UI development. We believe that the origins of any technological breakthrough are rooted in fundamental research and, thus, dedicate a considerable part of our efforts to this dimension. We are a part of the official scientific research institution network of Lithuania.

MACHINE LEARNING ENGINEER

Baltic Institute of Advanced Technology (BPTI) seeks a machine learning engineer.

Please send your CV to open.positions.ml@bpti.eu

What You Will Do

- Deployment of ML models (mainly various CNN architectures).
- Development iterations of ML models given evolving datasets.
- Implementing models and tricks from scientific publications.
- Systematically running experiments on the local GPU hardware.

What We Expect

- Practical experience with Python: history of executed personal or professional projects.
- Knowledge of Pytorch, machine learning, and computer vision basics.
- Good software engineering / architecture skills.
- University education: computer science, physics, mathematics.
- Basic knowledge of higher mathematics.

What We Offer

- Professional growth: internal and external events, online training, conferences, books, etc.
- Work in international defense and security projects.
- Flexible work model that combines remote and in-office work.
- Good balance between research and product development.
- Salary: 1500-3000 Eur/month netto. We are open to discuss salaries based on your skills.