**Researcher in Quantitative Modelling of Energy Behaviour of Buildings and Machine Learning @ HEBES INTELLIGENCE**

**Background**

HEBES INTELLIGENCE is a Greek private company working on data-driven services for facilitating innovative schemes for building energy data aggregation and monetizing.

**Purpose**

We are looking for a highly motivated and innovation-driven engineer to join the team. The main working tasks include:

1. **Development of building models**

Development of models of buildings – constituted of building envelopes, thermal zones, HVAC equipment, energy generation and storage equipment – using the Modelica language and the IEA EBC Annex 60 libraries.

1. **Development of machine learning models**

Development of probabilistic programming models to calibrate the building models on data streams from real buildings.

**Required Qualifications**

* University degree in Civil, Mechanical or Electrical Engineering / University degree in Computer Science.
* Strong knowledge of the Python programming language.
* Good understanding of building physics principles.
* Good understanding of basic machine learning concepts and challenges.
* Excellent use of English language in verbal and written form.
* Ability in writing technical descriptions and reports in English language.

**Additional skills to be considered as plus:**

* A strong quantitative/mathematical background.
* Traction with machine learning frameworks (such as PyTorch or TensorFlow) and a basic understanding of why anyone would want to use these tools for something other than deep learning.
* Knowledge of C++11

**Terms and Conditions**

* The contract will be under the Greek Labor Law.
* The position will be based in Athens, Greece (Sepolia).
* The position is for a full-time job.

**Benefits**

* Competitive salary
* Access to resources for professional and personal development
* Opportunities to work with international teams and to attend meetings, conferences and trainings

**Application Process**

All applicants must send a cover letter and an updated CV (no longer than four pages) at [jobs@hebes.io](mailto:jobs@hebes.io). Both must be in English.