PhD Thesis Project Offer

(valid during the calendar year 2025)

Provisional Title of the Doctoral Thesis

Reference Learning Framework for Python

Subject area* / Research line

Engineering and Architecture / Information and Communication Technologies

Summary of the Doctoral Thesis (maximum 300 words)

Python is one of the most widely used languages in the professional world today. Furthermore, for several years now, it has been used to teach programming to students with no prior programming experience as an introductory programming language. This thesis aims to create a reference learning framework for the Python language, similar to the one we have for natural languages and known as CERFL (i.e., the framework used in Europe to indicate language skills, e.g., English B1, French B2).

Is the development of this thesis associated with the execution of any research project? If so, provide details of the project (title, funding entity, and execution period)

No.

Academic Profile of the Student (maximum 200 words)

A technology background (e.g., telecommunications engineering or computer engineering) is preferred, although this could be extended to other profiles interested in the subject. Advanced programming and Python skills are required.

Contact: institutional email of the Supervisor

gregorio.robles@urjc.es

Institutional Website of the Supervisor

https://gestion2.urjc.es/pdi/ver/gregorio.robles

* See the Subject Areas at https://www.urjc.es/informacion-practica#oferta-proyectos-de-tesis. **Each project should be included in only one subject area.**