

Declaration of Authorship and Originality

I hereby declare, under my responsibility, that the project presented with the title : **A Multi-Layer Verification Harness for LLM-Generated Code Patches**, submitted to the School of Engineering (ICAI) at Universidad Pontificia Comillas during the academic year **2025/2026**, is my own original work and has not been previously submitted for any other academic purpose. This project does not constitute plagiarism, either in whole or in part, and all information taken from other sources has been properly referenced.

Declaration on the Use of Artificial Intelligence¹

I hereby declare, under my responsibility, that (please select the appropriate option):

I have not used Artificial Intelligence in the preparation of this document.

I have used Artificial Intelligence in the preparation of this document and/or Annex B, always in accordance with the conditions permitted by Universidad Pontificia Comillas, specifically applying Level 2 of the Evaluation Scale defined by Perkins et al. (2024): "AI may be used for pre-task activities such as brainstorming, outlining, and initial research. This level focuses on the use of AI for planning, synthesis, and idea generation, while assessments must emphasize the ability to independently develop and refine these ideas." Specifically, Artificial Intelligence has been used for:

Brainstorming and Planning: Assistance in drafting the initial structure of the thesis and planning the organization of its sections.

Research and Literature Review: Support in exploring related work and identifying relevant research directions.

Technological Recommendations: Guidance in evaluating and comparing potential technologies, libraries, and tools suitable for the project.

Tool Usage and Documentation: Assistance in understanding and applying technical documentation, including the use of infrastructure tools such as cluster environments (e.g., Slurm) and container-based execution.




Signed (alumno): Ignacio Hernández Bas

Fecha: 30-03-2026

¹ This declaration refers to the use of generative Artificial Intelligence in the preparation of the Project documents (Annex B and the thesis report). It does not apply to projects where Artificial Intelligence is inherently part of the work itself (e.g., applications of machine learning techniques, neural networks, data analysis, etc.).

Project Submittal Authorization

Project director	Project co-director
	
Signed: Dr Furong Huang	Signed:
Date: 16-30-2026	Date: