

(BL89/2025-IST-ID)

Scientific Initiation Studentships

Applications are open for 1 (one) Research Studentship, within the framework of project eGamesLab nº 26, funded by PRR/IAPMEI.

Scientific Area: Computer and Information Sciences and Informatics

Admission Requirements: *To be enrolled at a professional higher technical course, at a bachelor degree, at an integrated master or master degree, or to have a bachelor degree and be enrolled at a course that does not award an academic degree and it is integrated in the educational project of a higher education institution, performed in association or cooperation with one or several R&D units;*

Workplan: The selected candidate will participate in research activities that include: (i) development and implementation of a collision detection library for the web, (ii) implementation of interactive examples that run on a web browser, (iii) assisting data synthesis and tasks related to training, testing, validation and benchmarking of machine learning models, and (iv) assisting all writing and dissemination activities (e.g., user manuals, writing scientific articles, public presentations).

Legislation and Regulations: Statute of Scientific Research Fellow, approved by Law nr. 40/2004, of August 18, as worded by Decree-Law nr. 123/2019, of August 28; IST-ID Regulation of Scientific Research Fellowships, available on <https://ist-id.pt/recursos-humanos/bolseiros/#documentos-relacionados>.

Workplace: The work will be developed at the Lab of xReality of Instituto de Tecnologias Interactivas / LARSyS, under the scientific supervision of Professor Daniel Simões Lopes and Doutor Ivo Roupa.

Duration: The research fellowship(s) will have the duration of 4 months. It's expected to begin in May 2025 and it can be renewed up until the end of the project, with the limit of 12 months, including the duration of the initial contract.

Monthly maintenance allowance: the amount of the monthly maintenance allowance is €651.12, being the payment method of the Fellow by wire transfer.

Selection methods: Curriculum vitae detailing the main academic results (participation in research projects), technical skills (Physics Engines, Unity, TypeScript, Three.js, Object-Oriented Programming, Machine Learning) and relevant experience in Computer Science or a closely related area (75%), individual interview (25%).

Composition of the selection Jury: Prof. Daniel Simões Lopes; Dr. Ivo Roupa; Dr. Filipa Correia.

Announcement/ notification of the results: The final evaluation results will be communicated to all applicants by email.

Deadlines and procedures of complaint and appeal. A complaint may be lodged from the final decision, or an appeal to the Executive Board of IST-ID, within 15 working days counted from the respective notification.

Application deadline and formalization: The call is open from April 14 until April 29, 2025.

It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (<https://ist-id.pt/concursos/bolsas/>); ii) *Curriculum Vitae*; iii) academic degree certificate, where applicable; iv) proof of enrollment at an academic degree course or at a course that does not award an academic degree; v) motivation letter;

Applications must be submitted to the email: daniel.s.lopes@tecnico.ulisboa.pt and susana.nobrega@tecnico.ulisboa.pt