INESC TEC | Research Grant (AE2024-0095)
INESC TEC

Job Title	INESC TEC	Research Grant (AE2024-0095)
Department	CRACS
Institution	INESC TEC
	PORTO, , Portugal
Date Posted	Feb. 29, 2024
Application Deadline	Mar. 13, 2024
Position Start Date	Feb. 29, 2024
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Research Opportunity

Distributed Systems/Cloud Computing

Work description

- Literature Review: In-depth analysis of existing literature on resource orchestration in virtualized and fault injection environments.
- Preliminary Analysis: Assessment of current container virtualization capabilities, including tests to understand existing limitations when subject to communication failures.

- Strategy Development: Formulation of failure orchestration models, based on the results of the preliminary analysis.
- Implementation of Prototypes: Construction and testing of prototypes to validate failed orchestration strategies and the behavior of the studied consensus protocols.

Academic Qualifications

Undergraduate in Computer Science

Minimum profile required

Experience in cloud computing systems, specifically in CPU and GPU virtualization.

Preference factors

Knowledge of operating systems

Application Period

Since 29 Feb 2024 to 13 Mar 2024

Centre

Advanced Computing Systems

Scientific Advisor

João Paulo Soares

For more information: https://www.inesctec.pt/en/opportunities/distributed-systems-cloud-computing-AE2024-0095

Contact Information

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