




JOÃO GONÇALVES

PHD STUDENT & JUNIOR RESEARCHER

PROFILE

I am a CS PhD student at IST and a junior researcher at INESC-ID. My research interests lie in the field of fault tolerance, fault detection and reproducibility. Previously, I have researched scalable group membership and storage protocols. Currently, my focus is on the new Persistent Memory technologies, particularly crash-consistency and bug detection.

PERSONAL INFORMATION

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WORK EXPERIENCE

- 2021 - Today **Junior Researcher**
INESC-ID, Lisbon, Portugal
- 2019 - 2023 **Teaching Assistant**
Instituto Superior Técnico, University of Lisbon, Lisbon, Portugal
- Foundations of Programming - Fall 2022/23
 - Highly Dependable Systems - Spring 2020/21
 - Operating Systems - Fall 2020/21, Fall 2019/20
 - Software Engineering - Spring 2019/20

PUBLICATIONS

Mumak: Efficient and Black-Box Bug Detection for Persistent Memory

João Gonçalves, Miguel Matos, Rodrigo Rodrigues
In Proceedings of the Eighteenth European Conference on Computer Systems (EuroSys '23), 2023.

SconeKV: a Scalable, Strongly Consistent Key-Value Store

João Gonçalves, Miguel Matos, Rodrigo Rodrigues
Transactions on Parallel and Distributed Systems (TPDS), 2022.

SERVICE

Artifact Evaluation Committee

EuroSys 2022

EDUCATION

- 2021 - Today **Enrolled in PhD in Computer Science and Engineering**
Instituto Superior Técnico, University of Lisbon, Lisbon, Portugal
- 2018 - 2021 **MSc in Information Systems and Computer Engineering**
Instituto Superior Técnico, University of Lisbon, Lisbon, Portugal
Specialization in Distributed Systems and Cyber-Security. Final grade: 18/20
- 2014 - 2018 **Bachelor's Degree in Information Systems and Computer Engineering**
Instituto Superior Técnico, University of Lisbon, Lisbon, Portugal.

AWARDS AND SCHOLARSHIPS

PhD Scholarship

Fundação para a Ciência e Tecnologia | 2022-Present

Academic Excellence Diploma

Instituto Superior Técnico | 2018

Excellence Teaching Award

Instituto Superior Técnico | 2022

Academic Merit Diploma

Instituto Superior Técnico | 2020, 2019, 2017, 2016

OTHER SKILLS

Programming

C/C++, Python, Intel PIN, Docker, bash

Languages

Portuguese (Native), English (Proficient), German (Basic)