

SARA PATRÍCIA MARQUES SIMÕES

Computer Science Engineer



CONTACT

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in Sara Simões

ABOUT ME

Recently graduated Computer Science Engineer seeking professional experience and opportunities. I love everything in computer science, but I have a special interest in Distributed Systems. I excel in challenging environments and I am looking to cultivate my knowledge growth as a person. I consider myself a very determined person, hard-working independent and a good team player.

TECHNICAL SKILLS

Programming

Java Kotlin Clojure Android

Operating Systems

Linux Windows

Software & Tools

Git Docker Kubernetes

PERSONAL SKILLS

Linguistic

Portuguese English

Agile Developer

EDUCATION

📅 September 2019 - September 2021
📍 NOVA School of Science and Technology **Master's Degree in Computer Engineering**

📅 September 2016 - September 2019
📍 NOVA School of Science and Technology **Bachelor's Degree in Computer Engineering**

WORK EXPERIENCE

📅 March 2021 - September 2021
📍 NOVA School of Science and Technology **Student Researcher**

Thesis: System For Functional Testing of Distributed Applications with REST Interface
In this project, I developed a tool that allows for testing and verifying the correction of REST applications. From a specification, a test set is generated and executed with multiple clients issuing both sequential and concurrent operations, later verifying if the behavior of the REST system is linearizable.

📅 March 2019 - June 2019
📍 NOVA School of Science and Technology **Student Researcher**

Research: Enabling Seamless Peer-to-Peer Mobile Connectivity
In this project, I extended a the Legion project to be able to use of peer-to-peer communications in native applications, such as in Android environments. A version of Legion, thanks to this new feature, runs natively on Android and can sync with other Legion clients running in either Android or in a browser.

RESEARCH CONTRIBUTIONS

JepREST: Teste Funcional de Aplicações REST Distribuídas

👤 S. Simões, A. Ribeiro, C. Ferreira, N. Preguiça

📅 2021 📖 Inforum Simpósio de Informática

Composition of CRDTs using References in Key-Value Stores

👤 S. Simões, A. Linde, N. Preguiça

📅 2019 📖 Inforum Simpósio de Informática

EXTRACURRICULAR

📅 September 2019 - October 2021
📍 NOVA School of Science and Technology **Computer Science Club**

As a Project developer, I was part of a team that was responsible for building, implementing and maintaining several projects, some of which include the club's website and the design and implementation of a CI/CD pipeline to support all development activities.

📅 May 2019
📍 NOVA School of Science and Technology **ExpoFCT**

ExpoFCT is an annual event where NOVA School of Science and Technology invites high and middle students to visit the campus and learn about the various courses the college offers.