

# SARA PATRÍCIA MARQUES SIMÕES

## Computer Science Engineer



### CONTACT

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in Sara Simões

### ABOUT ME

Recently graduated computer science engineer seeking experience, and a first professional opportunity.

I am fascinated about everything in computer science, especially with distributed systems. At this time of my life, I am looking for new and challenging experiences inside the scope of computer science to get new knowledge and improve my soft skills as well as my professional and programming skills.

I consider myself a very determined person, hard-working that tries to be the most independent as possible to overcome obstacles that might occur. I am also a good teamworker always ready to help whenever is necessary.

### TECHNICAL SKILLS

#### Programming

Java Kotlin C/C++ Clojure

Android

#### Operating Systems

Linux Windows

#### Software & Tools

Git Docker Kubernetes

### PERSONAL SKILLS

#### Linguistic

Portuguese English

#### Agile Developer

### WORK EXPERIENCE

📅 March 2021 - September 2021  
📍 Faculdade de Ciências e Tecnologia, Universidade NOVA de Lisboa  
**Student Researcher**

**Thesis:** System For Functional Testing of Distributed Applications with REST Interface  
In this project, it was build a tool that allows to test and verify 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  
📍 Faculdade de Ciências e Tecnologia, Universidade NOVA de Lisboa  
**Student Researcher**

**Investigation:** Enabling Seamless Peer-to-Peer Mobile Connectivity  
In this project, it was extended a project named Legion to allow the use of peer-to-peer communications in native applications, particularly in Android. Thus, a version of Legion has been created that runs natively on Android and can sync with other Legion Android clients or with Legion clients running in a browser.

### EDUCATION

📅 September 2019 - September 2021  
📍 Faculdade de Ciências e Tecnologia, Universidade NOVA de Lisboa  
**Master's Degree in Computer Engineering**

📅 September 2016 - September 2019  
📍 Faculdade de Ciências e Tecnologia, Universidade NOVA de Lisboa  
**Bachelor's Degree in Computer Engineering**

### 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  
📍 Faculdade de Ciências e Tecnologia, Universidade NOVA de Lisboa  
**Núcleo de Informática**

As a Project developer, I was part of a team that was responsible for building, implementation and maintenance of several projects. Projects such the club's website, the oversight of an automatic door handle security system with RFID cards and the design of a CI/CD pipeline to support all development activities.

📅 May 2019  
📍 Faculdade de Ciências e Tecnologia, Universidade NOVA de Lisboa  
**ExpoFCT**

ExpoFCT is an annual event where the Faculdade de Ciências e Tecnologia invites all secondary or elementary students to visit the campus and learn about the various courses the college offers.