

Luís Mário Macedo Ribeiro

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About me

I'm Luís Mário, a software engineer based in Braga, Portugal.

I am a University of Minho's student currently attending a masters degree on **Language Processing** and **Formal Methods**.

Regarding internships, I'm willing to learn more and earn experience with the job market.

<i>Languages</i>	Portuguese (native), English (high level)
<i>Soft Skills</i>	Easily Adaptable, Fast Learner, Organized, Motivated, Dynamic
<i>Personal Interests</i>	Programming, Running and Sports, Photography, Exploring

Education

University of Minho <i>Integrated Masters in Software Engineering</i>	2017-2022 (in progress)
Bachelor's final average grade ≈ 14	
Master's current grade ≈ 18	
Current average grade ≈ 15	
Escola Secundária Caldas das Taipas <i>High School - Sciences and Technologies</i>	2014-2017
Final average grade ≈ 17	

Extra curriculars

MyPhone <i>Employee/Attendant</i>	Summer of 2017
<ul style="list-style-type: none">MyPhone was a allocated store in Caldelas, Guimarães dedicated to the sell and repair of technological products.	
RoboParty <i>Member of a Robot team.</i>	2016
<ul style="list-style-type: none">RoboParty is a pedagogical event to teach how to build autonomous mobile robots in a simple and fun way, guided by qualified professionals.	

Major projects

raiML Utilities

February 2021 - July 2021

The main goal was to verify the syntax of the railML, conferring a great attempt that verified missconfigurations with the help of Alloy model checking framework.

Technologies: Alloy, Python, Java, JavaScript, Bash

Software Calculi

February 2021 - July 2021

Modelling and Analysis of cyber-physical systems with UPPAAL and Monads.

Technologies: UPPAAL, CTL Temporal logic, Haskell

School File Manager

October 2020 - January 2021

Platform that provides a well-based support for storing and managing educational resources.

Technologies: ExpressJS, Pug, JavaScript, MongoDB

PorTOURgal

January 2020 - July 2020

Mobile Application, which allows users to easily locate the best tourism options in each district across Portugal.

Technologies: Xamarim, C, MongoDB

CocktailDB

February 2021 - July 2021

Web application that provides useful and organized information about Cocktails, based on a well-formed cocktails ontology database.

Technologies: Python, Protege, ExpressJS, JavaScript, MongoDB, GraphDB

GUIDEme

October 2020 - February 2021

Mobile application that enables users to book experiences within a location context, orientated by a self-promoting tourist guide.

Technologies: Python, Django, PostgreSQL, Docker, Heroku, React

Technical skills

Programming Languages

Bash; C; Haskell; Java; Python; JavaScript

Markup Languages

LaTeX; Markdown; Org-mode

DataBases

SQL (mysql); NoSQL (mainly MongoDB)

Software Tools

Git; Vim; VSCode; ExpressJS; GraphDB; Protege; antlr4
Electrum; mCRL2; UPPAAL; Why3

Relevant Languages

Temporal Logic: Alloy, Modal Logic, CTL and LTL; Lex/Yacc