LUIS RIBEIRO
S O F T W A R E   E N G I N E E R

PROFILE

I am a young adult that is driven by other life and culture experiences.

Essentially, I am enthusiastic with the appliance of Formal Methods in computing.

📍 Currently living in Copenhagen. Checkout my **portfolio**.

CONTACT

Phone
+351 916770956

Email
lmmr_@outlook.pt

MY SKILLS

Model-Checking

Software Modelling and Design

Languages and Grammars

Back-End Development

Front-End Development

PERSONALITY

- Enthusiastic and Adaptable.
- Honest and Responsible.

PROGRAMMING

Python
JavaScript
C
Haskell
Java

WORK EXPERIENCE

Internship   **2022**
HydraIT
- Microsoft's ERP Business Central.
- Consulting and Implementation.

Researcher   **2022**
INESCTEC
- Hyperproperties and Model-Checking.
- Correctness over distributed systems.

Researcher   **2023**
DTU
- Researcher on the European project TarDIS.
- Application of formal techniques in security and privacy.

EDUCATION HISTORY

Masters - Software Engineering
Universidade do Minho
2017- 2022

OS and Distribution   **2019-2020**
- Linux and System Calls.
- Parallel computing and Memory handling.
Skills: C, Java, Linux

Computation with effects   **2019-2021**
- Algorithmic structures and Monads.
- Lambda calculus and reasoning.
Skills: Haskell, C

Application Development   **2020-2022**
- Mobile and Web Development.
- Front-End and Back-End.
Skills: JavaScript, C#, Python, MongoDB, PostgreSQL

svROS - Thesis   **2021-2022**
- Python tool deployed with several functionalities.
- Study of Hyperproperties in ROS-based systems.
- Security and Privacy as properties.
Skills: Alloy, Python, Distributed Systems, ROS, Security

ACTIVITIES

- I enjoy reading about Computation Theory (from Logic to AI) and Philosophy (i.e. Simone de Beauvoir).
- I also like exercising (sports and running) and taking self-reflecting walks.
- I usually share some thoughts on a 5-minute podcast.