

PROFESSIONAL SUMMARY

IT professional with 2+ years experiences in developing software, web, with expertise in algorithms and data structures. I consider myself highly motivated, proactive and able to solve any problem independently. Currently, I am looking for new challenges in the area of distributed system or data science/machine learning.

EDUCATION

- **M.Sc.** in Computer Science and Information Engineering, Sept 2019 - Nov 2021, University of Lisbon, Lisbon, Portugal.
Thesis - Attractor reachability estimation in logical models (18/20). Supervisor - Dr. Pedro Monteiro.
- **B.Sc.** in Computer Science and Information Engineering, Sept 2016 - July 2019, University of Lisbon, Lisbon, Portugal.

WORK EXPERIENCE

- **Software developer** in **KLx** Jan 2022 - present.
Project in the financial sector dedicated to asset management, insurance companies, banks, brokers, and others. Main responsibilities:
 1. Developed and maintained 2 applications: an online system that handles clearing and settlements of securities trade for shares and cash and an application that serves as a portal to exchange business information from and to banks.
 2. Updated the Application Information Document of the corresponding application.
- **Software Engineering intern** in **INESC-ID** September 2020 - November 2021.
Main responsibilities:
 1. Designed, refactored and implemented dedicated algorithms (as well as automated tests to ensure their correctness and to assess their performance).
 2. Integrated implemented algorithms into the existing JAVA library ([bioLQM](#)).
 3. Implemented interfaces for other applications that enable them to use the JAVA library.

SOFTWARE PROJECTS

Some of relevant projects in which I participated over the years. explore them more in my [personal website](#):

- Natural Language Processing: the topic that we addressed is question classification.
- 3D programming; we developed a Monte Carlo Ray Tracer and a game made with Unity 3D.
- Network Science: we developed a library to analyze the fairness in a Scale free network.

TECH SKILLS

- **Programming languages:** Java, JSP, C/C++, Python, HTML, CSS, Javascript
- **Framework and tools:** Spring, NodeJs, AngularJs, ReactJs, Maven, Git, UML
- **Database Management:** SQL(mysql, PostgreSQL), MongoDB
- **IDE tools:** Eclipse, IntelliJ IDEA, Oracle WebLogic Server, Tomcat, Wildfly, Visual Studio Code
- **Systems:** Linux/Unix, Docker