

# Rúben André Letra Barreiro

Computer Science Engineer, IT/IS Programmer and Technician

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## WORK EXPERIENCE

### Waiter Service

Delmare Café Beach Club 📍

06/2016 – 08/2016  
Beach club/bar

Almada, Setúbal, PT

Achievements/Tasks

- Wait service, organization of events, bar service and cleaning service;

### Technical Computer Support

RE/MAX Central and MaxFinance Central

11/2012 – 03/2013

Center of Lisbon, Lisbon, PT

Real estate and financial consulting companies

Achievements/Tasks

- Enterprises' computers maintenance and marketing;

### Professional Internship

FNAC Chiado 📍

11/2011 – 01/2012

Center of Lisbon, Lisbon, PT

Retail chain selling cultural and electronic products

Achievements/Tasks

- Retail, stock replacement and Christmas' event photographer;

## EDUCATION

### BSc. of Computer Science and Engineering

Faculty of Sciences and Engineering of New University of Lisbon 📍

09/2013 – 07/2018

Almada, Setúbal, PT (15 of 20)

Core Courses and Scientific Researches

- Object Oriented Programming (15 of 20), Computer Architecture (15 of 20), Operating Systems Foundations (16 of 20), Algorithms and Data Structures (14 of 20), Databases (16 of 20), Computer Graphics and Interfaces (14 of 20), Computer Networks (14 of 20), Artificial Intelligence (14 of 20) and Distributed Systems (15 of 20);
- Practical Activity for Curricular Development - Scientific Research: Hyrax Project (17 of 20) with collaboration of Faculty of Sciences of University of Porto and Carnegie Mellon University;

### Professional Course of Technician of Programming and Management of Computer Systems

High School of Monte de Caparica 📍

09/2009 – 07/2012

Almada, Setúbal, PT (14 of 20)

Core Subjects and Professional Internships

- Information Technologies and Communication (17 of 20), Communication Networks (14 of 20), Computer System's Programming (15 of 20), Operative Systems (12 of 20);
- Professional Internship in Fnac Chiado (17 of 20);
- Final project based in a creation of a Dynamic Web Page for Sales and Auctions in School's Community (15 of 20);

## SKILLS

Pascal

VisualBasic

C++

HTML

JavaScript

CSS

MySQL

PHP

Java

C

Assembly

OCaml

Oracle SQL

Datalog

XML

Prolog

UML

OCL

WebGL

OpenGL

REST

SOAP

JSON

MongoDB

Apache ZooKeeper

Apache Kafka

Android

LaTeX

## PROJECTS

Hyrax: Crowd-Sourcing Mobile Devices to Develop Edge Clouds (DiCE) (02/2017 – 01/2018) 📍

- A scientific research project of Faculty of Sciences and Technologies of New University of Lisbon (Almada, Setúbal, PT), Faculty of Sciences of University of Porto (Center of Porto, Porto, PT) and Carnegie Mellon University (Pittsburgh, Pennsylvania, USA);
- Development of a system for collaborative distributed computing in a network of heterogeneous nodes;
- Development of system builds on a replicated, distributed and eventually consistent queue of tasks, that requires little coordination;
- A scientific research project under Prof. Hervé Paulino's supervision (Contact: herve.paulino@fct.unl.pt);

## VOLUNTEERING

Volunteer in Lifeshaker Association/Upgrading Participation E6G (01/2018 – 03/2018)

Participation and volunteering in some social activities (Almada, Setúbal, PT);

Volunteer in ExpoFCT 2016 at Faculty of Sciences and Technologies of New University of Lisbon (04/2016 – 04/2016) 📍

Volunteering in the activities: "Fiat Lux - À boleia dos fotôes!" and "Pong" (Almada, Setúbal, PT);

Volunteer in AlmadaForma's Training Center (06/2017 – 07/2017)

Craftworks, handicrafts and management of Certifications, in a social initiative from High School of Monte de Caparica and City Council (Almada, Setúbal, PT);

## LANGUAGES

Portuguese

Native or Bilingual Proficiency

English

Full Professional Proficiency

## INTERESTS

Computer Science/Engineering

Artificial Intelligence/Robotics

Computer Graphics

Computer Networks/Distributed Systems

Databases/Big Data

Augmented/Virtual Reality

Computer Architectures/Systems

Scientific Research