

info

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Portfolio

languages

portuguese
english

programming

Java, C, MySQL,
Php, Javascript,
AngularJs,
Git , Linux ♥
Asp.net, VisualStudio

aboutMe

BSc in Informatics Engineering at Minho University (Braga, Portugal) Currently attending the 3rd year of the BSc in Informatics Engineering at Minho University (Braga, Portugal), after concluding a high school professional programming course. Throughout the BSc, the students are required to do several practical assignments, being some of them detailed in the portfolio below. The high school final project is also highlighted. In addition to a good educational background, a short term summer internship was held at the end of the 2nd year of study.

education

- 2012–2015 **BSc in Informatics Engineering** University of Minho, Portugal
Comprehensive and prestiged undergraduate course in computer science and informatics engineering. Highlights: object oriented, functional and imperative programming; Algorithms and data structures; Relational database architecture and management; Distributed Systems - concurrency and synchronization. Current degree grade: 16
- 2009–2012 **Professional Course** High School – grade 9 to 12 Didaxis, Portugal
Professional Course in Management and Programming of Computer Systems. Highlights: introduction to C, .Net and Java programming languages. Final project: development of an Android Application (see below in awards). Internship: Codevision (see below in experience).

experience

- 2014 **Wondeotec - emailbidding.com** Porto, Portugal
Summer Internship (2 months)
Participation in the development of EmailBidding, a email marketing platform, made in Symfony2. Highlights: Php, Symfony2, team working with scrum and JIRA.
- 2012 **Codevision** Braga, Portugal
Professional Internship (2 months)
Development of a mobile web application (Javascript - Sencha Touch framework, Visual Studio, MVC Architecture)

awards

- 2013 **My Project is Entrepreneur** Municipal award, Vila Nova de Famalicão (Portugal)
Final project of the Professional Course. Android Application to manage people wardrobe.
- 2012 **TECLA (1st place)** Programming Competition, Aveiro (Portugal)
TECLA is a programming competition for teams of two elements. The objective is to solve algorithmic challenges.
- 2011 **ONI (5th place)** Programming Competition, Porto (Portugal)
ONI is the Portuguese National Olympiads of Informatics.

speaking

2014

Php Introduction

University of Minho, Portugal

Workshop based course. Subjects: HTML, Php and Laravel Framework.

portfolio (<https://bitbucket.org/ruioliveiras>)

- 2015 **Musical challenge application Client/Server** University of Minho, Portugal
Application created with Java. Allows the existence of many inter-connected servers, with each client connecting to one server. Technical highlights:
- Communication between the Client and the Server using UDP Data-grams
 - Communication between Servers using TCP sockets
 - UPD datagram fragmentation system
- 2014 **SEI 2015 web** (<https://github.com/cesium/SEI15>) University of Minho, Portugal
Participation in the development of SEI 2015 Web-Site. Implemented angularJS usage to avoid html repetitions.
- 2014 **Distributed System WarehouseClient/Server** University of Minho, Portugal
Client/Server made with Java using socket. Technical highlights:
- Concurrency control with reentrant locks and conditions.
 - Communication inside sockets with pure text using serializing and de-serializing.
- 2014 **CRUD management Application for Habitat Portugal** University of Minho, Portugal
CRUD management Application made with Java and Mysql database. Technical highlights:
- Three layers: View, Business, Data.
 - Database with triggers to derivative attributes
 - Generic interface design
- 2014 **Dpum CESIUM code validator** University of Minho, Portugal
Web site created to manage a programming conquest at Minho university.
- 2013 **File Compressor with C++, Shannon Fano algorithm** University of Minho, Portugal
Implementation highlights: Graph based algorithms and Bitwise operations.