

DIOGO VAZ DE CARVALHO

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EXPERIENCE

Research Grant - Project CORAL

INESC Technology and Science - Associate Laboratory

Dec 2016 – May 2017

Porto, PT

Assist in the design and implementation of a software system:

- Internet of Things - aimed to manage distributed sensors and their data
- Raspberry Pi's as mock sensors
- Using SensorThings API
- Proof of concept prototype (TRL 4)

Member of Student Union (Pedagogical department)

AEFEUP

Jun 2015 – Jun 2016

Porto, PT

- Member of a 10-student team
- Plan, organize and execute pedagogical initiatives, such as the 1st edition of FEUP Engineering Days (March 2016), with workshops and representatives from 10+ relevant international companies

Member of Student Union (Cultural Department)

AEFEUP

Jun 2014 – Jun 2015

Porto, PT

- Member of a 15-student team
- Plan, organize and execute cultural and social events, especially regarding music (10+ events)

EDUCATION

Informatics and Computing Engineering (Integrated Master: BSc+MSc)

Faculty of Engineering, University of Porto

2013 – Present

Porto, PT

Key Achievements:

- Acquisition and improvement of several soft skills: worked on a great deal of team projects and presentations
- Development and consolidation of technical skills and essential insights on Computer Science
- Development of lifelong learning: grasp new concepts and obtain new knowledge autonomously

Master's Dissertation: *Learning Financial Risk and Predicting Company Growth based on Historic Data* (ongoing)

Current GPA: 15.4/20

Erasmus+ in Computer Science (Master)

University of Twente

Sep 2017 – Feb 2018

Enschede, NL

Topics studied: Machine Learning, Data Science, Big Data, Secure Data Management and Computer Ethics

Final GPA: 7.2/10

PROFILE

- Highly communicative and cooperative
- Strongly passionate about technology, innovation and their impact
- Quite curious and fast learner

TECHNICAL SKILLS

Database Management Backend

Data Science Machine Learning

Algorithms Web Development

Javascript Python SQL HTML

Java Prolog C C++ C#

Linux Git Docker Jupyter

Node.js npm PySpark

PostgreSQL Mongo SQLite

Angular Electron Ionic

Agile Scrum

SOFT SKILLS

Problem solving Quick learner

Team Work Communication Social

Cooperation Leadership Initiative

Proactive Dedication Ambition

Adapt to change Organization

Solution-oriented Responsibility

Constructive criticism Speaker

LANGUAGES

Portuguese



English (Level C1)



Spanish



German



- 2011 - Certificate in Advanced English (CAE - Level C1) by University of Cambridge ESOL Examinations - GRADE B
- 2010 - First Certificate in English (FCE - Level B2) by University of Cambridge ESOL Examinations - GRADE A

PROJECTS

SurgeonMate Library

Project Management Laboratory (FEUP)

📅 Feb 2017 – Jun 2017

Within the context of the Unit of Study LGP (Project Management Laboratory):

- **Team Leader** of a 12-student multidisciplinary team
- **SurgeonMate**, a startup company, as our client
- Design and develop a software product prototype: a multi-platform offline multimedia catalog (using Electron) aimed for surgeons
- Permanently in touch with the client (especially the CEO, Doctor Nuno Muralha)
- Heavy contribution to the team's organization and the product's development, in order to assure the client's requirements fulfillment in time

Night Out

Idea-based Team Project

📅 Jan 2016 – Jul 2017

- Member of a small team of young students from different fields
- We created **Night Out**, a **mobile app** aimed to improve the night life in Porto
- Released on **Play Store** (Android) and **App Store** (iOS)
- Helped create, model, develop and improve Night Out, which consists of:
 - Mobile app - Ionic (AngularJS)
 - Website - AngularJS
 - Web Server (REST API) - Node.js, Express.js, Sequelize
 - Database - PostgreSQL
- **Awards and nominations:**
 - "Jovens Empreendedores" award @ "SpinUM - Concurso de Ideias de Negócio (by TecMinho)" - Jan 2016
 - Winner @ "BIG Smart Cities - Porto (by Vodafone Power Lab and Ericsson)" - €500 funding - Apr 2016
 - Finalist (National Top 20) @ "BIG Smart Cities - Grand Final (by Vodafone Power Lab and Ericsson)" - Jul 2016
 - Vodafone award @ "Escola de Startups (by UPTec)" - Vodafone Power Lab admission - Feb 2017
 - Finalist (National Top 10) @ "Indústrias Criativas (by UNICER)" - TV broadcast and mentoring - Jul 2017

AWARDS



Best 12th & 9th-Grade Student

Best grades, both final grades and National Exams grades.

Escola Secundária D. Sancho I - Academic years: 2012/2013 & 2019/2010

Final GPA: 20/20

OTHER INFORMATION

Bootcamper

Pitch Bootcamp

📅 Oct 2018

📍 Porto, PT

Volunteer of the 1st Edition of Web Summit in Portugal

Web Summit 2016

📅 Nov 2016

📍 Lisboa, PT

- Member of the Operations Team (20+ members), being responsible for surveying attendees
- Participation as an attendee in conferences and workshops

First Aid Course

VO.U - University Voluntary Association

📅 Dec 2015

📍 Porto, PT

Interests

- Family and Friends
- Travel
- Music
- Health and Sports
- Cultural and social events
- Self-improvement:
 - Keep up-to-date
 - Learn and try new technologies
 - Attend tech conferences: Talk A Bit, Commit Porto, ...