

# DIOGO VAZ DE CARVALHO

Graduating MSc Student in Informatics and Computing Engineering at FEUP

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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, ...