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 Achivements:

- 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 Cambdrige ESOL Examinations - **GRADE B**

- ✳ 2010 - First Certificate in English (FCE - Level B2) by University of Cambdrige 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, ...