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Curriculum vitae

PERSONAL INFORMATION	**Vitor Ribeiro**

📍 Rua Eduardo Ribeiro, 829, 4415-030 Vila Nova De Gaia (Portugal)

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✉ vdribeiro.vr@gmail.com

🌐 www.vitorribeiro.eu

Sex Male | Date of birth 2 Dec 1986 | Nationality Portuguese

POSITION	Software Developer

WORK EXPERIENCE

04/2017–Present

Software Developer
Freelancer

03/2016–04/2017

Software Developer
toFlow Intelligent Computing
Rua de Ceuta 47, 4050-191 Porto (Portugal)
www.toflow.com

Business or sector Enterprise

10/2015–02/2016

Software Developer
Freelancer

01/2015–09/2015

Software Developer
Instituto de Telecomunicações
Rua Doutor Roberto Frias, 4200-465 Porto (Portugal)
www.it.pt

- Mobile and Frontend development

Business or sector Telecommunications

12/2013–11/2014

Software Developer
LatitudeN GmbH
Robert-Bosch-Straße 7, 64293 Darmstadt (Germany)
www.latituden.com

- Development of Mobile Applications and AI

- Consultant

Business or sector Tourism

08/2011–11/2013	**Software Developer**

Instituto de Telecomunicações
Rua Doutor Roberto Frias, 4200-465 Porto (Portugal)
www.it.pt

- Mobile, Frontend and Backend development

- Research and development of sensor based fuel consumption algorithms

Business or sector Telecommunications

08/2011;08/2008;08/2005	**Computer Technician**

Induflex
Avenida Vasco da Gama, 4415-957 Vila Nova De Gaia (Portugal)
www.induflex.pt

Business or sector Manufacture of upholstered furniture

EDUCATION AND TRAINING

09/2007–02/2013	**Master in Computer Engineering**	EQF level 7

Faculdade de Engenharia da Universidade do Porto
Rua Dr. Roberto Frias, 4200-465 Porto (Portugal)
www.fe.up.pt

Course

In the first cycle the course covers essential skills in science and engineering, as well as some basic knowledge in many areas of Informatics. During the second cycle it covers advanced training in Computer Engineering.

General Domain

- Agile Software Development (17/20)

- Project Management (17/20)

- Applications with Graphical User Interface (17/20)

- Automatic Music Generation (17/20)

09/2001–07/2004	**Scientific and Technological Informatics Course**	EQF level 5

Colégio Internato dos Carvalhos, Vila Nova De Gaia (Portugal)

Course

Course that encompasses disciplines to prepare for the exercise of professional work related to the design and development of computer systems, as well as the implementation, maintenance and integration of computer programs

General Domain

- Programming Languages (17/20)

- English (17/20)

PERSONAL SKILLS

Mother tongue(s)	Portuguese

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

- Patience, assertiveness and critical sense
- Team spirit and commitment

Driving licence	B

ADDITIONAL INFORMATION

Honours and awards

Innovation Challenge

Awarded in a competition held by Portugal Telecom and Galp Energia to develop mobile applications in the scope of energy efficiency and mobility.

Objectiva'mente Gaia

Awarded in a photography contest for Gaia in the XXI Century

Certifications

Code School

- JavaScript
- CSS
- Node.js
- Front-end Formations
- Fundamentals of Design

Publications

Mining Geographic Data for Fuel Consumption Estimation

In this article, it is proposed an innovative solution for estimating fuel consumption and emissions leveraging the opportunities generated by the ubiquitous availability of mobile devices.

We collect a large data set of GPS and fuel consumption data crowd-sourced by volunteer participants with an Android mobile application that logs the smartphone's embedded GPS data and gathers vehicle data using an external OBD device.

This data is used to develop a model that estimates the instantaneous fuel consumption from the smartphone's GPS data alone, using the OBD data as ground truth.

We use speed, acceleration and steepness as predictor variables to train polynomial models with and without cross-product terms.

Conferences

ITSC 2013

The theme of the IEEE ITSC conference is Intelligent Transportation Systems for all transport modes: http://ieee-itsc13.org/. The presented work was related to the above publication.

Projects

Please consult www.vitorribeiro.eu for the complete portfolio.