

## PERSONAL INFORMATION

## Vitor Ribeiro



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

 916359746

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 [www.vitorribeiro.eu](http://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](http://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](http://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](http://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](http://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](http://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](http://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
- ES2015
- CSS
- Front-end Formations
- Fundamentals of Design
- Real Time Web with Node.js

### 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-itc13.org/>

The presented work was related to the above publication.

### Projects

Please consult [www.vitorribeiro.eu](http://www.vitorribeiro.eu) for the complete portfolio.