João Fernandes

Junior Software Engineer

Education

2009–2014	**Master in Informatics and Computing Engineering**, *Faculty of Engineering of the University of Porto(FEUP)*, Current average: *15,05/20*.
Sep.2013–Feb.2014	**Erasmus Student in Master in Informatics**, *Sapienza Università di Roma*, Average: *28,25/30*.
2006–2009	**High School**, *Escola Secundária da Maia*, Final average: *17/20*.

Master thesis

Title	*No-Touch Interfaces*
Description	This thesis aims to define a set of UX rules for No-Touch Interfaces and a framework to create such interfaces for the web, using the Microsoft Kinect as the technology of choice. The application used as a case study is an application for doctors to consult their patients clinical history during surgery.

Experience

February 2014–July 2014	**Intern for Master's Thesis**, *Glintt Healthcare Solutions*. Implemented a framework to build web interfaces usable with the Microsoft Kinect, using an existing application as a case study.
March 2013–June 2013	**Teaching Assistant for Algorithm Design and Analysis**, *FEUP*. Responsible for aiding students with their projects and maintaining a C++ API for visual graph representation.
November 2012–March 2013	**Organizer of the National Meeeting of Informatics Students 2013, Responsible for the program**. Responsible for selecting, contacting and welcoming speakers for the event. The event welcomed over 550 participants, breaking the previous record of 300.

Technical skills

Basic	HTML, CSS, Android, TinyOS, R, Assmebly, LISP
Intermediate	Javascript, Ruby on Rails, C, C++, C#, JUnit, Jasmine, Git, SCRUM, UML
Advanced	Java, Microsoft Kinect, LeapMotion

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I turn caffeine into code

Languages

Portuguese	**Native Speaker**
English	**Advanced User - IELTS Score of 7.0**
Castilian Spanish	**Intermediate User**
Itallian	**Basic User**

Interests

Couchsurfing	While on Erasmus, I took on to couchsurfing as a way to meet people and broaden my horizons. Although my activity has declined since I returned to Porto, I plan to dedicate more time to this as soon as I live on my own again.
Driving	As painful as it was to get a driver's license, I'm now a fairly competent driver and really enjoy driving as stress relief, specially at night.
Cooking	After arriving in Rome for Erasmus I found myself knowing nothing about cooking and not wanting to spend too much money or eating crap and now I love cooking for myself and for others, I'm fairly good at it but need to increase my recipe cookbook.
Geeking out	Playing videogames and Magic: The Gathering, watching some Doctor Who, you name it. No plans to stop anytime soon.

Miscellaneous

- Had an Artificial Intelligence project selected for "Semana Profissão Engenheiro", where I had to present it to high school students and spark up their interest in software engineering.
- I have attended SAPO Codebits thrice, and at the last edition I gave a small talk called "UX in Natural User Interfaces".
- I have a certificate of introduction to experimental software engineering.
- I am about to take a few courses on Coursera:
  - R Programming;
  - Functional Programming Principles in Scala;
  - Malicious Software and its Underground Economy: Two Sides to Every Story;
  - Pattern-Oriented Software Architectures: Programming Mobile Services for Android Handheld Systems.

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