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# Miguel Carvalho Curriculum Vitae

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## Professional Experience

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### April 2008 // Present **NearInteraction.com**

In 2008 I was invited to help build up an interaction design start-up, NearInteraction. I've joined the company as a partner and Technology Director.

NearInteraction is specialized in the development of creative interactive solutions, and new media strategies for branding and advertising.

Main projects:

- [TMN Fenómeno](#) – Augmented Reality mobile application;
- [TAP M&E Paris Air-show](#) – Microsoft Kinect, iPad and Arduino-enabled interactive light;
- [Fundação EDP // Museu Electricidade](#) – gestural app, interactive wall and mp3-arduino instalation;
- [TNDMII | Gil Vicente](#) – Augmented Reality vitrine and gestural activated stands;
- [London College of Fashion](#) – 6 Multi-touch tables with fiducial code reading;
- [Adicional projects.](#)

### August 2006 // March 2008 **Excentric.pt**

In 2006 I've joined the *Excentric's* multidisciplinary team, where I developed several web projects in a variety of technologies. One important part of my work was to provide services and develop/manage projects to a major portuguese internet portal, *Clix.pt*, *sonaecom* group.

Following the inovative spirity of the company, i was able to participate in several brainstorming sessions, to generate ideas for online brand promotion. I've learned and developed new ways of thinking, and experienced how much the right environment can generate great ideas.

### March 2005 // July 2006 **Niteo Software**

In this period, I was part of *Niteo Software* development team. Essentially, *Niteo* provided full-time outsourced development services to the technical team of *sonaecom* group. I've developed online services to the group's companies, *Clix* and *Novis Telecom*.

### September 2003 // March 2005 **Paulo Carvalho Fotografia, Ida**

In 2003 I've helped create a complete platform of services to brand promotion.

At *Paulo Carvalho Fotografia*, under the brand *comunick*, I've developed websites with CMS, managed web domains and played a part in the creation of efficient internal processes to improve communication and productivity within the company team.

In this process, I've managed to acquire an overall knowledge of the workflow involved in creating, managing and promoting a brand.

### September 2001 // August 2003 **Webware Infopulse Portugal**

After finishing professional traineeship, I've continued to collaborate with *Infopulse*, where I've worked as a web consultant and UI analyst.

### 1999 // 2000 **Paulo Carvalho Fotografia, Ida**

As freelance developer, I've developed several websites in collaboration with a *Paulo Carvalho Fotografia*.

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## Academic Training

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### 1995 // 2004 Licenciatura em Engenharia de Sistemas e Informática (L.E.S.I.)

At Universidade do Minho, I've attended *Engenharia de Sistemas e Informática (Computer Science and Systems Engineering)*, IT area (ICT), with focus in Computer Networks.

My final grade was 13.4/20.

#### Professional Traineeship - Extended Folders – Distributed documents management

Study of WebDAV Protocol. Creation of an integrated and scalable system, to allow applications to access and manipulate documents in several distinct repositories, on top of a web transparent interface. Repository modules implemented in webDAV and OODB (Objectivity).

Final grade: 18 /20.

### 1991 // 1994 High School professional course - Information Technology Management

Attended the *High School professional course - Information Technology Management at Instituto Nun'Alvres*, located in Santo Tirso. My final grade was 16/20.

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## Technical Skills

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### 2008 // Present

Programming: Macromedia Flash AS3, c++, Objective-C, Titanium Mobile & OOP Javascript, JS JQuery, Arduino, Processing, OpenFrameworks (OF), Cinder, Junaio Augmented Reality, Microsoft Kinect (OF), Open CV, HTML5 & CSS3, PHP, MySQL, Facebook API, Twitter API, Twitpic API.

Other competences acquired:

- research in break-through technologies and new forms of interaction;
- technology suppliers management;
- planning, design and management of the technological part of interaction apps;
- team management;
- development and programming of interaction applications.

### 2005 // 2008

Programming and software: Perl & Mason, PHP, MYSQL, Javascript, JS Prototype, Ruby On Rails (MVC), Adobe Flex, Adobe Flash (Actionscript) & Photoshop.

### 1995 // 2004

Programming and software: C, C++, Informix, JAVA JDBC/ODBC, Rational Rose (UML), Delphi, Macromedia Director, Macromedia Flash, Adobe Photoshop, Lex, Yacc, awk, Perl, Prolog, Msql Server, OODB(Objectivity), JSP, ASP, ASP.NET.

Network: RIP, IGRP, BGP, TCP/IP, SNMP.

### 1991 // 1994

Programming: Cobol, C, Pascal.

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## About me

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I'm an enthusiastic about technology, particularly about the way it can shape the society in a positive way, changing and improving everyone's life in a continuous non-intrusive way.

I've always been really interested in the creative process, especially in areas like graphic design and photography.

As a result of my professional path, I became really fascinated with advertising and all the creative possibilities it allows you to explore.

Over the past ten years, I had the opportunity to work with professionals of a variety of areas as web design, industrial design, graphic design, 3d develop, photography, information consultancy and journalists.

I truly believe in multidisciplinary teams and how their work process can be empowered by face-to-face discussion of ideas. I really enjoy managing and optimizing the communication process between team members.

I'm always looking for new challenges, researching new interaction/interactive technologies. I learn new programming paradigms easily and fast, and I work well under pressure.

I have an excellent knowledge of English, both spoken and written.

People say I'm open minded, fun, creative, with a good critical instinct and a strong attention to detail.

### Contact

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