

# Jorge Azevedo

## *Electronics Engineer*



**Availability:** July 2013 onwards

**Looking for:** Real-Time Linux  
Embedded Systems Development

*In a nutshell* · Recent university graduate passionate about technology looking for a challenge and an opportunity to learn a new language. Specialties include Real-Time Linux and software development.

## Personal Information

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FULL NAME	Jorge Manuel Coelho Amado de Azevedo
ADDRESS	Rua Bartolomeu Dias, 210, 4450-587 Matosinhos, Portugal
DATE OF BIRTH	15Th October 1987
GENDER	Male
NATIONALITY	Portuguese
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XING	Jorge Azevedo

## Experience

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UNISOL	Universidade de Aveiro, Portugal
MAR 2012 - PRESENT	<b>Researcher</b>
DESCRIPTION	Research grant for UNISOL, a European consortium purposed with the construction of a domestic solar heating system. Key projects were: <ul style="list-style-type: none"><li>· Prototyping an embedded control system based on a PIC32 microcontroller and several sensors and actuators.</li><li>· Development of a system simulation model using MATLAB/Simulink.</li><li>· Deployment and administration of an Ubuntu server running an OpenStack cloud computing environment and a MATLAB computation cluster.</li></ul>
Xenomai Lab	Universidade de Aveiro, Portugal
JAN 2011 - PRESENT	<b>Software Engineer</b>
DESCRIPTION	Main developer for the Xenomai Lab real-time platform. Experience in: <ul style="list-style-type: none"><li>· Distributed version control using git.</li><li>· Graphical User Interface development using Qt/C++.</li><li>· The Xenomai real-time framework and its real-time semantics in C.</li><li>· Licensing, packaging and distribution of a free software project.</li></ul>
JAN 2012 - PRESENT	<b>Master Thesis Collaborator</b>

## DESCRIPTION

Technical coordinator for several student master thesis  
· Sept 2012 - Present *Plataforma de ensino baseada em Xenomai Lab.*  
· Jan 2012 - Dez 2012 *Controlador Adaptativo baseado em Xenomai.*

## Publications

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SEPTEMBER 2012

Xenomai Lab - A Platform for Digital Real-Time Control

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INForum 2012 Proceedings

## Education

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2005–2012

**M.Sc. Electronics and Telecommunications Engineering**

INSTITUTION

**Universidade de Aveiro**

Campus Universitário de Santiago, 3810-193 Aveiro, Portugal

THESIS

Xenomai Lab - A Platform For Digital Real-Time Control

DESCRIPTION

5 year degree (Bachelor and Master's included).  
Thesis graded 19/20 after public defense.

2008–2009

**Erasmus Exchange Program**

INSTITUTION

**TU/e Technische Universiteit Eindhoven**

Den Dolech 2, 5612 AZ Eindhoven, Netherlands

DESCRIPTION

One year spent abroad under the Erasmus Exchange Program.

## Languages

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PORTUGUESE

Native speaker

ENGLISH

Advanced speaker. Five years of education in the British Council achieving level A in First Certificate of English (2001) and level B in Certificate of Advanced English (2004)

SPANISH

Basic understanding in both written and spoken form.

## Skills

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SOFTWARE

A thorough understanding of the C programming language and Real-Time Operating Systems semantics, based on Linux variants such as Xenomai, RTAI and RTLinux.

Working knowledge of C++/Qt GUI framework and modern development concepts such as Test Driven Development, Continuous Integration and cloud computing.

HARDWARE

A working knowledge of PIC microcontrollers, basic analog filter design and PCB prototyping using EAGLE.

SOCIAL

Experience in multicultural environments

Open-Minded

Highly responsible and professional

ORGANIZATIONAL

Independent research

Strong drive for initiative

Planning and scheduling of team/individual project.

OTHERS

Driving License Category B-1