

# 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	15 <sup>th</sup> October 1987
GENDER	Male
NATIONALITY	Portuguese
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## 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's Thesis Collaborator</b>
DESCRIPTION	Technical coordinator for several student master's thesis <ul style="list-style-type: none"><li>· Sept 2012 - Present <i>Plataforma de ensino baseada em Xenomai Lab.</i></li><li>· Jan 2012 - Dez 2012 <i>Controlador Adaptativo baseado em Xenomai.</i></li></ul>

## Publications

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SEPTEMBER 2012	Xenomai Lab - A Platform for Digital Real-Time Control
IN	INForum 2012 Proceedings

## Education

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2005–2012	<b>M.Sc. Electronics and Telecommunications Engineering</b>
INSTITUTION	<b>Universidade de Aveiro</b> 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	<b>Erasmus Exchange Program</b>
INSTITUTION	<b>TU/e Technische Universiteit Eindhoven</b> 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