

# Jorge Azevedo

## Electronics Engineer



**Availability:** August 2013 onwards

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

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

## 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
CONTACTS	<ul style="list-style-type: none"><li>· Telephone (+351) 936270876</li><li>· E-mail <a href="mailto:jorge.amado.azevedo@gmail.com">jorge.amado.azevedo@gmail.com</a></li><li>· LinkedIn <a href="http://pt.linkedin.com/in/jaazevedo">pt.linkedin.com/in/jaazevedo</a></li><li>· Xing Jorge Azevedo</li></ul>

## Experience

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UNISOL	Universidade de Aveiro, Portugal
MAR 2012 - PRESENT	<b>Researcher</b>
DESCRIPTION	<p>Research grant for UNISOL, a European consortium purposed with the construction of a domestic solar heating system. Key projects were:</p> <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	<p>Main developer for the Xenomai Lab real-time platform. Experience in:</p> <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	<p>Technical coordinator for several student master's thesis</p> <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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SEPT 2012	Xenomai Lab - A Platform for Digital Real-Time Control
IN	J. Amado-Azevedo, P. Pedreiras and A. Mota. <i>Xenomai Lab - A Platform for Digital Real-time Control</i> . In INForum Proceedings, 2012.

## Education

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SEPT 2005 – JAN 2012	<b>M.Sc. Electronics and Telecommunications Engineering</b>
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 included). Thesis graded 19/20 after public defense.
SEPT 2008 – JUL 2009	<b>Erasmus Exchange Program</b>
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	Fluent speaker. Five years of education in the British Council achieving level B in the Certificate of Advanced English (2004).
SPANISH	Basic understanding in both written and spoken form.

## Skills

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SOFTWARE	<ul style="list-style-type: none"><li>· A thorough understanding of the C programming language and Real-Time OS semantics, based on Linux variants such as Xenomai and RTAI.</li><li>· Working knowledge of C++/Qt and modern development concepts such as Test Driven Development, Continuous Integration (Jenkins), cloud computing (OpenStack) and version control (git).</li></ul>
HARDWARE	<ul style="list-style-type: none"><li>· A working knowledge of PIC microcontrollers, basic analog filter design and PCB prototyping using EAGLE.</li></ul>
SOCIAL	<ul style="list-style-type: none"><li>· Experience in multicultural environments.</li><li>· Open minded and down to earth team player.</li></ul>
ORGANIZATIONAL	<ul style="list-style-type: none"><li>· Experienced in working in a multidisciplinary team.</li><li>· Planning and scheduling of team/individual projects using Gantt charts.</li></ul>
OTHERS	<ul style="list-style-type: none"><li>· Driving License Category B-1</li></ul>