

# Jorge Azevedo

## *Electronics Engineer*



**Availability:** July 2013 onwards

**Looking for:** Real-Time Linux

Embedded Systems Development

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*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
AGE	25
GENDER	Male
NATIONALITY	Portuguese
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XING	Jorge Azevedo

## Experience

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UNISOL Universidade de Aveiro, Portugal

MAR 2012 - PRESENT

### Researcher

#### DESCRIPTION

Research grant to work for UNISOL, a European consortium whose goal is to build a domestic solar heating system from the ground up. My responsibilities and projects included:

- Prototyping an embedded control system based on a PIC32 micro-controller and several sensors and actuators.
- Development of a system simulation model using MATLAB and Simulink.
- Deployment and administration of a Linux server running an Open-Stack cloud computing environment, a MATLAB computation clusters, and other key services.

Xenomai Lab

Universidade de Aveiro, Portugal

JAN 2011 - PRESENT	<b>Software Engineer</b>
DESCRIPTION	Principal developer and maintainer of the Xenomai Lab real-time control platform. This included up-close work on areas such as <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>· Licencing, packaging and distribution of a free software project.</li> </ul>
JAN 2012 - PRESENT	<b>Master Thesis Colaborator</b>
DESCRIPTION	Technical coordinator for several student master thesis <ul style="list-style-type: none"> <li>· Sep 2012 - Present <i>TODO</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.

## Technical Skills

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SOFTWARE	<p>A thorough understanding of the C programming language and Real-Time Operating Systems semantics, based on Linux variants such as Xenomai, RTAI and RTLinux.</p> <p>Working knowledge of C++/Qt GUI framework and modern development concepts such as Test Driven Development, Continuous Integration and cloud computing.</p>
HARDWARE	<p>A working knowledge of PIC microcontrollers, basic analog filter design and PCB prototyping using EAGLE.</p>

## Soft Skills

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SOCIAL SKILLS	<p>Experience in multicultural environments</p> <p>Open-Minded</p> <p>Highly responsible and professional</p>
ORGANIZATIONAL SKILLS	<p>Independent research</p> <p>Strong drive for initiative</p> <p>Planning and scheduling of team/individual project.</p>

## Additional Skills

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DRIVING LICENSE	Category B-I
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