

# 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   |
| 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="https://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        | INForum 2012 Proceedings                               |

## Education

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|----------------------|---|
| SEPT 2005 – JAN 2012 | <b>M.Sc. Electronics and Telecommunications Engineering</b>                                   |
| INSTITUTION          | <b>Universidade de Aveiro</b><br>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).<br>Thesis graded 19/20 after public defense.    |
| SEPT 2008 – JUL 2009 | <b>Erasmus Exchange Program</b>   |
| INSTITUTION          | <b>TU/e Technische Universiteit Eindhoven</b><br>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 and cloud computing.</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-I</li></ul>  |