

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

FULL NAME	Jorge Manuel Coelho Amado de Azevedo
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DATE OF BIRTH	15Th October 1987
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NATIONALITY	Portuguese
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XING	Jorge Azevedo

Experience

UNISOL Universidade de Aveiro, Portugal

MAR 2012 - PRESENT **Researcher**

DESCRIPTION

Research grant for UNISOL, a European consortium purposed with the construction of a domestic solar heating system. Key projects were:

- Prototyping an embedded control system based on a PIC32 microcontroller and several sensors and actuators.
- Development of a system simulation model using MATLAB/Simulink.
- Deployment and administration of an Ubuntu server running an OpenStack cloud computing environment and a MATLAB computation cluster.

Xenomai Lab Universidade de Aveiro, Portugal

JAN 2011 - PRESENT **Software Engineer**

DESCRIPTION

Main developer for the Xenomai Lab real-time platform. Experience in:

- Distributed version control using git.
- Graphical User Interface development using Qt/C++.
- The Xenomai real-time framework and its real-time semantics in C.
- Licensing, packaging and distribution of a free software project.

JAN 2012 - PRESENT **Master Thesis Collaborator**

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

SEPTEMBER 2012

Xenomai Lab - A Platform for Digital Real-Time Control

IN

INForum 2012 Proceedings

Education

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

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

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