

Jorge Azevedo

Electronics Engineer



Availability: July 2013 onwards

Looking for: Real-Time Linux

Embedded Systems Development

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Personal Information

FULL NAME	Jorge Manuel Coelho Amado de Azevedo
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NATIONALITY	Portuguese
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Experience

UNISOL Universidade de Aveiro, Portugal

MAR 2012 - PRESENT **Researcher**

DESCRIPTION Research grant for the UNISOL project.
Development of datalogging infrastructure.
Embedded control system prototype.
Deployment and administration of a MATLAB computational cluster,
OpenStack cloud computing environment.

Xenomai Lab www.xenomailab.org

JAN 2011 - PRESENT **Software Engineer**

DESCRIPTION Principal developer and maintainer of the Xenomai Lab platform.

JAN 2012 - PRESENT **Master Thesis Colaborator**

DESCRIPTION Technical coordinator for several student master thesis
Sep 2012 - Present
TODO.
Jan 2012 - Dez 2012
"Adaptive Control Algorithms using Xenomai Lab".

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.

Technical Skills

PROGRAMMING	Advanced knowledge of C. Medium knowledge of C++, Java and the Android platform, Qt framework for GUI programming/design, Linux kernel modules and filesystems. Basic knowledge of Python, Objective C and iOS, Pascal, BASH scripting, VHDL, MIPS and x86 Assembly assembly language.
ELECTRONICS	Medium Knowledge and hands-on experience with SPICE circuit simulation, Analog and Digital filter design, Microcontrollers. Basic knowledge of Digital circuit design and circuit layout. Extensive hands-on experience with circuit prototyping and signal analysis.

GENERAL

Advanced use of Microsoft Windows and Linux Operating Systems.
Extensive experience with Linux real-time variants, such as Xenomai and RTAI.

Word processing, spreadsheets and presentations with Microsoft Office, Open Office and L^AT_EX.

Basic experience with administrating Windows and Linux systems and networks.

Basic knowledge of classic and modern control engineering

Soft Skills

SOCIAL SKILLS

Experience in multicultural environments

Open-Minded

Highly responsible and professional

ORGANIZATIONAL SKILLS

Independent research

Strong drive for initiative

Planning and scheduling of team/individual project.

Additional Skills

DRIVING LICENSE

Category B-I