

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

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">· Telephone (+351) 936270876· E-mail jorge.amado.azevedo@gmail.com· LinkedIn pt.linkedin.com/in/jaazevedo· Xing Jorge Azevedo

Experience

UnlockYourBrain	Berlin, Germany
AUG 2013 - JAN 2014	Software Engineering Intern
DESCRIPTION	<p>Internship at UnlockYourBrain, an e-learning startup focused on the development of an Android app. Key projects were:</p> <ul style="list-style-type: none">· Continuous integration of the Android app. The build was automated using gradle and TeamCity was chosen as the server.· Company-wide implementation of Scrum. As Scrum Master I oversaw the adoption of the framework, scheduled and hosted the various events, etc.· Implementation of database manipulation algorithms using Node.js. These were mostly test-driven using mocha and required the usage of debug/profiling tools. An npm package was also published.
UNISOL	Universidade de Aveiro, Portugal
MAR 2012 - JUL 2013	Researcher
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">· Prototyping an embedded control system based on a PIC32 microcontroller and tens of 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.

JAN 2011 - JUL 2013

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's Thesis Collaborator

DESCRIPTION

Technical coordinator for two student master's thesis.

- Sept 2012 - Present *Plataforma de ensino baseada em Xenomai Lab*.
- Jan 2012 - Dez 2012 *Controlador Adaptativo baseado em Xenomai*.

Publications

SEPT 2012

Xenomai Lab - A Platform for Digital Real-Time Control ([link](#))

IN

J. Amado-Azevedo, P. Pedreiras and A. Mota. *Xenomai Lab - A Platform for Digital Real-time Control*. In INForum Proceedings, 2012.

Education

SEPT 2005 – JAN 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 ([link](#))

DESCRIPTION

5 year program including Bachelor's and Master's. Thesis graded 19/20.

SEPT 2008 – JUL 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

Fluent speaker. Six 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

SOFTWARE

- A thorough understanding of the C programming language and Real-Time OS semantics, based on Linux variants such as Xenomai and RTAI.
- Working knowledge of C++/Qt and modern development concepts such as Test Driven Development, Continuous Integration (Jenkins), cloud computing (OpenStack) and version control (git).

HARDWARE

- A working knowledge of PIC microcontrollers, basic analog filter design and PCB prototyping using EAGLE.

SOCIAL	<ul style="list-style-type: none"> · Experience in multicultural environments. · Open minded and down to earth team player.
ORGANIZATIONAL	<ul style="list-style-type: none"> · Experienced in working in a multidisciplinary team. · Planning and scheduling of team/individual projects using Gantt charts.
OTHERS	<ul style="list-style-type: none"> · Driving License Category B-1