



Joan Massich i Vall - Curriculum Vitae

Personal data

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Date of Birth: 15th of March, 1984
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Academic qualification

Degree: **Technical Engineer in Computer Systems**
Institution: University of Girona
Dates: September 2002 – September 2005

Degree: **Computer Science Engineer**
Institution: University of Girona
Dates: September 2005 – September 2007

Degree: **European Master in Computer Vision and Robotics (VIBOT)**
Institution: Heriot Watt University (Edinburgh, UK)
Universidad de Girona (Girona, España)
Université de Bourgogne (Le Creusot, Francia)
Dates : September 2007 – (June 2009)

Labour Experience

Company: IndustriesSicma S.L
Task developed: draughtsman
Dates: June 2002 – September 2002; June 2003 – September 2003;
Labour situation: Contract

Company: Optimus S.A
Task developed: Develop with DSP's (Freescale 56F8323 and Texas TMS320vc5409) modules in Optimax's project.
Dates: February 2005 – March 2007
Labour situation: Scholarship

Company: IndustriesSicma S.L
Task developed: Systems Engineer
Dates: June 2008 – August 2008
Labour situation: Contract

Projects

Project title: OPTIMAX
Agency or Institution: University of Girona, Optimus S.A
Duration: February 2005 – March 2007
Project supervisor: Dr. Pere Ridao
Description: The main aim of this project is the design of a real-time transmission and reproduction system for audio messages on a dedicated Ethernet network. This audio equipment is based on embedded modules, including a Motorola Coldfire processor running uClinux and a DSP. These modules are integrated in different microphones and amplifiers sets, which allow sending and receiving digital audio messages over UDP/Multicast

Project title: SAUCE (Student Autonomous Underwater Challenge – Europe)
Agency or Institution: University of Girona
Duration: February 2006 – July 2006
Project supervisor: Dr. Pere Ridao
Description: SAUC-E is the acronym for Student Autonomous Underwater Challenge - Europe. SAUC-E is a competition for European students to foment the investigation and development in underwater technology.
In this project my assigned tasks are on one hand, the maintenance of the operating system Gentoo Linux which we chose for the robot computers and on the other hand, develop a system to find an active acoustic device

Project title: Milan quality test
Agency or Institution: University of Girona, Factis, S.A.
Duration: March 2006 – August 2008
Project supervisor: Dr. Rafael Garcia
Description: The aim of this project is to make a set of tests to find construction errors on MILAN's calculators. On the other hand was developed a prototype to unload the battery and log the data to determine the quality of the battery.

Attended courses

Event title: Catalan Congress on Artificial Intelligence
Place and dates: Perpignan, Francia, 2006
Organising agency/group: Catalan Association of Artificial Intelligence
Type of participation: Co-author of the presented work titled "ICTINEU^{AUV}, a robot to compete".

Languages

Mother tongue: Catalan, Spanish.

Other languages:

	Comprehension		Speaking	Writing
	Listening	Reading		
English	High	High	High	High
French	Low	Medium	Low	Low

Awards

- Winner of the SAUC-E competition (edition 2006) as a member of VICOROB-UDG team.