

Personal Data

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**Academic Training**

Artificial Intelligence Master	URV-UPC-UB	2010 - 2014
Computer Science Engineering Degree	URV	2005 - 2009

Skills

Programming Languages: Good in: C++, Obj-C, Swift, Java, Javascript and Python. Used sometimes: Ada, Bash Scripting, Erlang, Fenix Project, Haskel, Html, Javascript, Lua, NodeJs, SQL, Octave/Matlab, PHP, Visual Basic.

Libraries/Frameworks: Good in: Android graphical native widgets, Cocoa Touch, Core Location, Ember. Work sometimes: AFNetworking, Box2D, Bison, Core* (CoreData, Core Animation, etc.), Cocos2D-x, Django, Flex, Gameplay, libSDL, Love2D, OpenGL, Unity

Build tools: Knowledge in: CMake, Gradle, Makefile.

Other tools: High usage: Android Studio, Git, Xcode, PyCharm. Also used: Bitbucket, Blender, Cocoapods, DokuWiki, Eclipse, Gimp, Github, iWork, Microsoft Office, OpenOffice, Wireshark, Wordpress

Administration: Knowledge in: Linux, Mac os X and Windows

Experience

iOS Developer: Mobetia 12/16 - now
iOS and Java API development on ImaginBank and Banc Sabadell

Freelance Project: Binding - WebApp 01/15 - 12/15
Develop a new web application to manage and use in the research and treatment of the dyslexia (and other read problems)
Webpage: <http://www.binding-edu.org/> (Only available in catalan or spanish)

Movintracks S.L. 03/14 - 12/14

Position: iOS and Android Developer.

Using iBeacons Technology and APIs to online platform. I develop an iOS and Android library to launch Marketing campaigns using iBeacons. More information on Movintracks
Webpage: <http://movintracks.io/>

Tasks:

- Develop target marking Movintracks SDK for iOS and Android using iBeacons.
- Develop Demo applications to show the usage of the SDK.

Freelance Project: StackSync - iOS

01/13 - 09/14

Project: Develop an iOS application client for the cloud storage open source platform Stack Sync. More info about the application in <http://web.jaumesingla.es/tissat-stacksync-ios-client/> or in <https://itunes.apple.com/es/app/stacksync/id912322077>

Kirubs S.L.

04/12 - 04/13

Position: iOS Senior Developer.

Tasks:

- Develop Android & iOS programs.
- Servers administration

Projects:

- **NacNac Fnac:** Port the iOS version of this child game to Android with cocos2d-x, <http://web.jaumesingla.es/kirubs-nacnac/>
- **BMW EnRuta:** Develop an iOS and Android application to record tracks made by car. <http://web.jaumesingla.es/kirubs-bmw-enruta/>

ALEPHSYS

09/11 - 03/12

Position: Research intern.

Tasks:

- Implement three real time schedulers simulator in OMNeT++ in C++, to be used in a PhD Project.
- Python script programming for obtain data from SOAP web service. Used on my Master Thesis.

Fundació URV

02/11 - 05/11

Position: Intern.

Tasks:

- Develop a graphic module for Crea-si SITPLUS Framework. It's used to provide ludic-therapeutic activities for people with disabilities. C++, libSDK and WXWidgets were used. More information in <http://web.jaumesingla.es/Sitplus/> or <http://sitplus.crea-si.com/>

Ylos Hispania S.L.

10/07 - 10/10

Position: PHP Programmer.

Tasks:

- Implement tools and ylos CMS upgrades.
- Servers administration.

ICE Universidad Rovira i Virgili

02/06 - 06/07

Position: Intern.

Tasks:

- Program and maintenance the web of the department.
- Maintenance and installations to computer equipment.

Own projects

Passwords

2015

Description: Web application to save all the passwords, playground for learn Ember & Django.

Technologies: EmberJs, Django, OAuth2.

More information: <http://web.jaumesingla.es/passwords-manager>

QuickAppSearch

2012

Description: Android application search engine and launch.

Technologies: Android, Java, sqlite.

More information: <http://web.jaumesingla.es/quick-app-search/>

StackCalculator

2012

Description: Android Stack Calculator based on HP calculators and optimised for use via mobile touch screens.

Technologies: Android, Java.

More information: <http://web.jaumesingla.es/stackcalculator>

Objective-Fenix

2011

Description: Game Object-Oriented language based on Fenix language. It has a compiler and virtual machine.

Technologies: C++, CMake, byson, flex.

More information: <http://web.jaumesingla.es/obj-fenix/>

iXapes

2009

Description: Synchronized subbuteo-style football game.

Technologies: Box2d, C++, Cocoa Touch, Objective-C.

More information: <http://web.jaumesingla.es/ixapes/>

PyFCSolitari

2007

Description: Solitaire computer game , using a Spanish card deck

Technologies: Python, PyGame, Pyalm.

More information: <http://web.jaumesingla.es/pyfcsolitari/>

Robots

1998

Description: My first program. Real-time military strategy game initially developed using Div Games Studios and subsequently adapted to Fenix Project.

Technologies: Div Games Studios, Fenix.

More information: <http://web.jaumesingla.es/robots/>

Languages

Catalan: Read, write and spoken: High.

Spanish: Read, write and spoken: High.

English: Read, write and spoken: Good.

French: Read and spoken: Low.

Others

- Car license B and own car.
- I assist to a iOS programming course of 20 hours.