

Stéphane Lecorney – Software Engineer

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Lausanne

Switzerland

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tél: ### ### ## ##

28 years old

Single

French (swiss B permit)

Profile

Master Engineer in Signal Processing.

4 years experience in C/C++ professional software development.

Freelance iPhone Application developer.

Professional experience

December 2009 **iPhone application Development**

- Present

Freelance developer on iPhone (Cocoa Touch, Objective C, iPhone user interface, etc). www.slecorne.ch

August 2009 – **Software engineer at Sensometrix SA**

November 2009

Participated in the development of a biometric solution for convenience and security (Biometric, C, linux).

January 2006 - **Video Software engineer at GE Security**

April 2009

(3 years)

Participated in the development of a cross-platform video operating system for video streaming, storage, analysis used for security applications. Worked inside the software team (5-6 people) in cooperation with firmware team.

- Health monitoring plugin based on external SDK to monitor storage device and RAID activity for SAS storage solution

- Specification and development of **RTP/RTSP** streaming integration inside the existing solution. Responsible of RFCs compliance.

- Integration of configuration and video streaming from external IP Camera inside the Visiowave solution

- C++ video codec tools (network packetization/unpacketization, decimation algorithm, etc) for various codecs : Mpeg4 ASP, **H264**, Mpeg4 **SVC**, Mjpeg, wavelett.

- Participate in creating the Mpeg4 SVC encoder

March 2005 -

Dec 2005

(1 year)

Junior Software engineer at VisioWave / GE Security

Development on Video Analytics Plugin in collaboration with the research team:

- Integration of new XML configuration for plugins, improvement of existing motion detection plugin

Personal Projects

March -

September

2009

Development of **iPhone** Applications distributed on the App Store. 5 applications available. Original developer of "Mobility Finder" application, further developed and distributed by Mobility AG as

"mobility car".

See <http://blog.slecorne.ch/pages/Applications-IPhone>

Development of **Android** Applications. 1 application available on Android Market.

See <http://blog.slecorne.ch/pages/Applications-Android>

Academic Projects

- June 2004 - November 2004 (6 months) Stage at the **San Raffaele Institute** (Milan-Italy) – optimisation of eddy-current correction algorithm for **MRI** pre-natal studies (**C++**-Spline interpolation-geometrical transform)
- February 2003- June 2003 (5 months) EPS (European Project Semester) at the engineering school of Copenhagen – creation of a webshop prototype using **PHP/MySQL** for provencebutikken

Technical skills

- Languages** C / C++, PHP, XML
Objective-C, Cocoa Touch
Java (basic), Eclipse (basic)
- Video standards** Mpeg4 ASP, H.264, Mpeg4 AVC/SVC, Jpeg
- Network Protocol** RTP/RTSP
- Software** Visual Studio, Perforce (source control), SVN, MS Project

Languages

French (mother tongue), English (fluent - University of Cambridge **Certificate of Advanced English** Grade C (December 2002)), German and Italian (basic)

Education

- 2001-2004 **Master of science from ENST Bretagne**
(*French Graduate Engineering School specializing in telecommunications*)
- 2003-2004 1 year Erasmus student at the **Technological University of Tampere** (Finland) in MSc program in signal processing
- 2003 6 months exchange student at the **engineering school of Copenhagen** (Denmark)
- 1999-2001 Preparatory class for the highly-competitive "Grandes Ecoles" entrance examination. Lycée Louis Le Grand, Paris

Personal interests

Running (¼ marathon Lausanne, Morat-Fribourg, etc)
Music festival and concerts.