

Luca Filippin

Education

Computer Science Engineer
100/110 (5 years course)
University of Padua, Padua (ITALY)

Skills summary

More than 10 years of experience as software analyst and developer, starting in the insurance field (LLOYD Adriatico, now Allianz), joining a prestigious neuro-science research laboratory (ISAS, International School for Advanced Studies, Italy) with a primary role in a world valuable project (psy.cns.sissa.it). On 2008 I moved to UK where, for one year I worked for a remarkable company (nCipher, now THALES) world leader in the data encryption and protection business. Finally, in 2009 I've joined the LSCP (Laboratory of Cognitive Science and Psycholinguistic, Paris, France) where my contribution is mainly focused on data acquisition and processing for the Near Infrared Spectroscopy Project (based on a relatively new technique of neuro imaging).

These assignments required high sensitivity to performance and environmental issues, like robustness, real time, critical data management, data accuracy, multi platforms development.

Programming, Operating System, Network & specialities

Design, project analysis, problem solving, man management.

System and application architecture, multi-threading, real-time processing, network protocols, databases, critical performance software

Apple WWDC 2009-2010 attendance

C C++ C#, (Visual Studio, gcc, KDevelop, XCode, CodeWarrior, LabWindows...), Python, Perl, Objective C, Pascal, Carbon, Cocoa, .NET, ISAM file, PostgreSQL, MySQL, Java, HTML, XML, CGI, Unix shell scripting, Assembly (Motorola, x86)

UNIX (Solaris, SunOS, AIX, SCO, BSD), Linux (Ubuntu, RedHat), Mac OSX, Mac OS9, Windows 2000, DOS

TCP/IP, Sockets, RS232, IEEE1384, USB devices

Gdb, WinDbg, SourceSafe, cvs, svn, Bazaar, Perforce, Insure

PsyScope X, E-Prime, Event IDE, PsychoPy2

Current Position

2010+ (Contractor)

LSCP (Laboratoire de Sciences Cognitives et Psycholinguistique), 29 Rue d'Ulm, 75005 Paris, France.

LSCP is a research unit born from the collaboration of the EHESS (Ecole des Hautes Etudes en Sciences Sociales), the ENS (Ecole Normale Supérieure), and the CNRS (Centre National de la Recherche Scientifique)

Area: Cognitive Science Research

Company web page: www.ehess.fr/lscp

Position: Software Engineer

Responsibilities: engaged in the NIRS project (Near Infrared Spectroscopy) as software analyst & developer of the NRS package, a software tool for NIRS data acquisition and analysis (data import, artifacts detection, signals denoising/ de-trending, statistical analysis, Hemodynamic Response Function reconstruction, correlation to paradigm).

Past Positions

2003-2010

Consultant at SISSA/ISAS International School for Advanced Studies , 4 Via Beirut, Trieste (TS), 34014, Italy.

Area: Neuro Science Research

Company web page: www.sissa.it

Position: *PsyScope X GNU project. Project Leader. Ref:* psy.cns.sissa.it

Responsibilities: Porting from Mac OS9 to Mac OSX and design of new software extensions for the PsyScope Project (250000 line of C codes), an environment to design and run psychological experiments. The project is a consortium of 40 Universities across the world. Direct and main responsibility for the new code handling movies, sounds, and interfaces with several external devices;

- NetStation EGI EEG machine, www.egi.com
- TOBII eye tracker, see psy.cns.sissa.it/t2t
- Sony Digital Video Recorder
- TCP-IP and Serial Communication protocols

- USB Button Box, www.iolab.co.uk

Software implementation in C (but also Objective C and AppleScript) on XCode and CodeWarrior, Mac OSX mainly. Tools: CoreAudio, QuickTime

Issues: Multi-tasking, Real-Time, Responsiveness, Data Accuracy, Network (TCP/IP) and Serial (RS232, USB) Communications

2008-2009

Position: Software Engineer at NCipher p.l.c. (now THALES), based in Cambridge (UK).

Company web page: www.ncipher.com

Area: Cryptography, Data Encryption and Protection and Keys Management

Responsibilities: porting of Mono (<http://www.mono-project.com/>), basically a portable runtime to run .NET compatible tools, onto a legacy platform and on AIX. Developing and maintaining many C/C++ software components for several different OS platforms (Solaris, SunOS, AIX, Linux, Windows).

2001-2008

Studio Delta s.r.l. - 22/E, Via della Ferrlera, Pordenone (PN), 33170, Italy.

Area: Insurance, Banking

Company web page: www.allianz.com, www.studio-delta.it

Position: Full time Consultant, Software Analyst and Developer for LLOYD ADRIATICO s.p.a., (now ALLIANZ) Trieste, Italy.

Responsibilities: Design, implementation and maintenance of all the document handling procedures of the Company. Design and maintenance and extension of the user-client interface of the external Insurance agencies network. Software implementation with C/C++/C# (COM, .NET, SQL) development on Unix SCO and Windows 2000 environments. Main projects:

- General applications porting, from Unix SCO to MS Windows
- Incidents management (denouces, payments)
- Documents life tracking system
- Agencies' portfolio spin-off
- General applications redesign and rewriting (migrating from C/C++ to C#)

Issues: Reliability, Critical Data Management, Robustness, Huge distributed DB

Language skills

English Proficiency: Reading: Good. Written: Good. Oral: Good

French Proficiency: Reading: Good. Oral: Sufficient

Italian Proficiency: Mother tongue