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Alberto Mardegan

Born: March 11, 1978, Treviso
Citizenship: Italian
Sex: male
Marital status: single

Work profile

- **NOKIA Oy**, Helsinki, 2009-present
Lead developer in the MeeGo Accounts & SingleSignOn project¹. The project consisted of developing from scratch a new framework providing a unified storage for account settings, supporting different services under the same account, and Single Sign On functionality with a major stress on security, extensibility and usability.
Languages and technologies used: C, C++/Qt, glib, D-Bus, sqlite, XML, LUKS.
- **NOKIA Oy**, Helsinki, 2008-2009
Main developer of several UI/middleware components for the Maemo platform: from Hildon/Gtk+ UI components (instant messaging presence, accounts), to the design of the IM/VoIP account framework, while still actively developing the middleware of the Telepathy IM/VoIP framework². All these components were successfully deployed in the Nokia N900 phone³.
Languages and technologies used: C, glib, Telepathy, Hildon, Gtk+, D-Bus, XML.
- **NOKIA Oy**, Helsinki, 2006-2008
Main developer and designer of the middleware in the Telepathy IM/VoIP framework for the OSSO/Maemo platform. The outcome of this work, besides being available in the Gnome desktop, was also a key feature for the Nokia N800 and N810 internet tablets⁴.
Languages and technologies used: C, glib, Telepathy, D-Bus.
- **SOGEA Srl.**, Treviso (Italy), 2002-2006
Analyst and developer of a wide range of enterprise applications, from accounting software to reporting tools, software for embedded terminals and interfacing with logistics and production chain actors; on Unix (SCO) and Linux (SUSE) OS.
Languages and technologies used: C, C++/Qt, glib, PostgreSQL, C-isam.
- **University of Padua, faculty of Pure and Applied Mathematics,**

1 <http://gitorious.org/accounts-ss0>

2 <http://telepathy.freedesktop.org/wiki/Mission%20Control>

3 <http://maemo.nokia.com/n900/>

4 http://en.wikipedia.org/wiki/Nokia_N800, http://en.wikipedia.org/wiki/Nokia_N810

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Padova, 2002

Collaboration for publishing a paper on Computational Mathematics

- **Self projects / Open source collaborations**, 1997-present
 - Mappero map/navigation application for the Maemo N900
 - Linux kernel framebuffer hardware-accelerated operations for the ATI w100 graphics chipset, obtained by reverse-engineering of a closed-source driver.
 - Minor contributions to many open source projects.
 - Music player/editor for MOD files written for Windows 95.

Education

- **University of Padua, faculty of Pure and Applied Mathematics**, Padova, 1997-2002
 - Concentration on Computational Mathematics.
 - Thesis on a new algorithm for approximation of bivariate functions.
- **Scientific high-school “Leonardo da Vinci”**, Treviso, 1992-1997
 - Mathematics Olympiads, 1995: awarded sixth place among all Treviso high-school students.
 - Mathematics Olympiads, 1997: awarded first place for Veneto region; among the best 30 students in the national classification.
 - Various awards in the “Giochi matematici” competitions held at Bocconi University, Milano.

Computer skills

- Operating systems: Linux (Debian, Ubuntu, embedded), Windows
- Programming languages: C, C++, C#, Python, Java, PHP, Bash scripting
- Other computer languages: SQL (PostgreSQL, MySQL, Microsoft SQL Server), XML, LaTeX, HTML
- System libraries: Standard C library, Linux kernel, POSIX, C++ STL
- Other libraries, toolkits and APIs: GTK+, Qt, MeeGoTouch, Clutter, Telepathy, D-Bus, OpenGL, DirectX, Microsoft Windows API
- Embedded development: Sharp Zaurus using the OpenEmbedded platform (2005-2006), Maemo, MeeGo
- Package building and maintenance: working with upstream, creating .deb (for Maemo), .rpm using OBS (OpenSuse Build Service)
- Data processing and analysis
- API design and software architecture

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Languages

- Italian (native)
- English (fluent)
- French (reading: good; listening: intermediate; writing and speaking: fair)
- Spanish (reading: good; listening; fair)
- Latin (reading and listening: intermediate; writing: poor)
- Interlingua (fluent)
- Russian (intermediate, still improving)
- Bulgarian (fair).

Selected activities

- Developer of the Maemo Mappero map application¹ for the Nokia N900
- Administrator of the “Union Mundial pro Interlingua”
- Active participation in international conferences about Interlingua

Interests

- Photography
- Practising sports: kung-fu, tai-chi, biking, jogging, soccer.
- Reading: scientific articles, news about technology.
- Listening to music and keen on recent movies.
- Exploring different cultures (Slavic, Japanese, Chinese, Korean)

¹ <http://www.mardy.it/mappero>