

Davide Andreoli - Coder

Via San Bernardo, 37 - 20139 Milano (MI) - +39 339 3266457 - dave@gurumeditation.it

Personal Information

Davide Andreoli, born in Milan on 13.01.1978

Residence: Via San Bernardo, 37 - 20139 Milano (MI) - Italy

Patents: Italian A + B driving licenses

Contacts: dave@gurumeditation.it - www.gurumeditation.it - github.com/DaveMDS

Formal Education

2000 High School diploma at I.T.I.S. Feltrinelli, Milano (Final vote: 82/100)

Thesis: Analysis, construction and software development of a robotic arm for a CD collection managing; it was driven by a win32 PC through a custom-build hardware interface. The custom interface allow to attach up to 256 different peripheral on a single parallel port.

Certifications

2001 CISCO Certified Network Professional

2002 HP Certified Professional

I18N

Italian is my mother language.

I can read and write quite well in english, but my speak is not so fluent.

Professional Experience

- 2019-present* **Niume**: Consultant and Python developer at CESI, R&D office for ENEL. Development of various tools for the management of the national electricity network. Experience in data exchange formats like CIM and MRT.
- 2011-2019* **Proxime** - Python/C/Bash/Javascript developer and technical manager of the SunGuard monitoring system for photovoltaic fields. Development of the OS (based on Debian) installed on all the customers datalogger. Implementation of dozens of communications protocols used by the devices on the photovoltaic field (inverters, environmental sensors, network analyzers, etc ...). Management of the system for sending data over the Internet and subsequent analysis on corporate servers.
- 2010-2011* **SetecoCM** - C/C++/Python/OpenGL developer. Implementation of the control software for an XRay machine to scan luggage in sensitive areas (airports, embassies, etc.).
- 2010* **Stone Island** - Developing an App for iPad used for the public presentation of the winter line of the company products.
- 2006-2010* **Lotus (MTV, Rai)** - Builder and coder for various special effects used in many TV show in Italy. Mainly based on microcontrollers and robotic applications.
- 2004-2010* **Studio Festi** - Network administrator (50 pc). Systems analyst and software engineer.
- 1998-2010* **Studio Festi** - "Flying Technician" for the company's open air show. I travelled a lot to bring the exhibition in the most important public square of the world (all the Italy and Europe, Australia, China, Indonesia, Corea, Russia, United States, Colombia, Turkey and many others). studiofesti.com
- 2005-2010* **Senza Rete** - Technical Director and charter member of the "flying dancer" company - senzarete.it

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- 2002-2006 **Archè** - software engineer and charter member. I developed a fully automated remote backup system for big companys based on VPN.
- 2002-2005 **Incube3** - software engineer PHP, MYSQL, HTML. I developed a big php content manager and various portals (bizywoman.com, takeiteasy.com, planiteasy.com, icompare.com)
- 1998-2007 **Monopolio di Stato** - Bass player (and webmaster) for the italian rock band. We had made 4 summer tour all around Italy. (monopoliodistato.it)
- 2000-2002 **Amrose & Lydman** - Systems Analyst and charter member.
- 1998-2000 **PR Partners** - Systems Analyst.

Open Source

- 2019-present New interests in the field of home automation, in particular the usage of **NodeRed** and the **Tasmota** firmware.
Author and maintainer of **node-red-contrib-tasmota**.
- 2009-present Author and Maintainer of the **Python** bindings for the **EFL** libraries.
Author and Maintainer of **EpyMC**, a Media Center application/framework written in Python-EFL.
Lots of other WIP can be found on my repo - code.google.com/p/e17mods/
- 2008 **International Conference OpenBossa** - Recife, Brazil.
Invited by INdT (Nokia Research Center) to present the EdgeEditor project at the conference. The speech was called: "*Edge Editor. Get The Power of Edge With Ease*" - web.openbossa.org
- 2006-2010 Author of **EdgeEditor**. An advanced WYSIWYG Edge layout application.
- 2002-present Active member of the **Enlightenment** community - enlightenment.org
- 2000-present Deep interest in the development of graphical user interfaces with a particular regard to usability of software, especially in embedded environment.
- 2004-2005 Author of **martini**, a lightweight file manager for linux - martinifm.sourceforge.net
- 2000-2002 Involved in the **Licq** development - licq.org

Technical Skills

- Programming** Excellent knowledge of **C**, **Python**, **Bash** and the Linux standard libraries.
Excellent knowledge of **PHP**, **Javascript (jQuery)** and **CSS** for the development of web applications.
- Toolkits** Deep experience in the use of the **EFL** (Enlightenment Foundation Library) and **GTK/QT**.
Good knowledge of **OpenGL** and **Shading Language**.
Basic knowledge of the **iOS** and the **Android** SDK.
- Operating Systems** **Linux** expert (mainly on **Debian** and **ArchLinux** based distribution).
WindowsXP and MacOSX: Good knowledge to manage a small office.
- Electronics** Good knowledge of digital electronics.
- Networking** Linux Servers, CISCO Routers, VPN.

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Future Plans

OpenSource, OpenSource and OpenSource...