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Professional Experience

- **AnubisNetworks**—Lisbon, Portugal.
Software Engineer (multi-class), June 2007 – April 2013.
 - OCTOBER 2012 – Moved from product development to the Operations team. Handled SpamAssassin management and performance tuning. Developed software to ease (or automate when possible) some of the management tasks, as well spam statistics collection and analysis.
REQUIREMENTS: SpamAssassin, Perl, Apache, RRDTool.
 - JUNE 2011 – Development of *myFamily* and *Web Protection Service* web content filtering services. Focus on user interface and authentication modules.
REQUIREMENTS: C++, HTML, CSS, HTTP, tcpflow.
 - MAY 2009 – Development of MPS' modules that provide secure and transparent system administration capabilities—email infrastructure, et al.—to “upper” layers (business logic). Also developed distributed alternatives to existing centralised architectural scenarios.
REQUIREMENTS: Perl, Postfix, LDAP.
 - JUNE 2007 – Designed and implemented the Reports module of the *Mail Protection System*[™] appliance (MPS)—Anubis' flagship product. Improved the underlying database scheme to support the required developments. Maintained the web interface and worked on the initial version of an abstraction layer aimed at better separating business logic from the underlying system operations.
REQUIREMENTS: Perl, Apache, MySQL.

Formal Education

- **University of Minho**, Braga, Portugal.
M.Sc. Informatics Engineering, 2013–present.
- **Technical University of Lisbon – IST**, Lisbon, Portugal.
B.Sc. Applied Mathematics, 2010–present (*currently suspended*).
- **University of Coimbra**, Coimbra, Portugal.
B.Sc. Informatics Engineering (pre-Bologna – 5 years), 2001–2007.

Technical Skills

Programming Languages

- **Imperative:** *proficient:* C, Perl; *experienced:* C++, Python; *basic skills:* Java, Javascript/JQuery.
- **Functional:** *basic skills:* Common Lisp.
- **Markup:** *proficient:* HTML, CSS, \LaTeX ; *basic skills:* UML.

Operating Systems

- **GNU/Linux:** Has been fiddling with different distributions since 2000; became a regular user circa 2005.
 - Proficient ARCH LINUX user (current distribution of choice for personal computers).
 - Experienced with UBUNTU SERVER (mainly for small network servers).
- **Microsoft Windows:** Last version regularly used was XP (SP3).

Software

- **Text Editors:** Vim (proficient), Kate, KDevelop (IDE).
- **Mathematics:** Mathematica, Matplotlib, SageMath.
- **Network:** OpenSSH, tcpflow, iptables, Apache, nginx, RRDTool, GnuPG, Mutt.
- **Databases:** MySQL, SQLite, PostgreSQL.

Languages

- **Portuguese:** native speaker. (*Note: European Portuguese*)
- **English:** fluent domain, both written and spoken.
- **Spanish:** fluent speaker, elementary reading and writing skills.

Additional Information

Informal Education / Professional Development

Note: only courses completed with certification are listed.

- **Coursera Online Platform**, Stanford University.
Crypto I – <http://www.crypto-class.org> – 2012

Miscellanea

- Outdoor sports enthusiast—currently surf, football, and trying snowboard.
- Enjoys recreational—and often not-so-recreational—mathematics, as well as physics (and chess).
- Participated in the 2003 and 2004 editions of *Minho Campus Party* (Portugal's first large scale LAN party!).
- Writes at <https://blog.erroneousthoughts.org> (Portuguese and English). Paraphrasing the Nobel prize winning physicist Richard Feynman: *to explain, one must first understand*. Writing being mostly about the former, it provides a strong incentive to put in the effort needed to achieve the latter. Besides, writing helps one to become a better—and faster!—reader.
- The above notwithstanding, he chronically tends to accumulate more books than what he is able to read.
- Full Portuguese driving license—Category B, passenger light vehicles.