Curriculum Vitæ — Óscar Francisco Godinho Pereira

♠ Postal address and phone number have been withheld for privacy reasons

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Formal Education

- University of Minho, Braga, Portugal.
 PhD in Informatics, MAP-i Doctoral Programme, Fall 2015-present.
- University of Minho, Braga, Portugal.
 MSc in Informatics Engineering, Fall 2013–Fall 2015. *Grade*: 16 out of 20.
 Master Thesis: Towards a Fully Algebrisable Symmetric Cryptosystem. *Grade*: 18 out of 20.
 Academic performance in curricular part got him the 2013/2014 Multicert School Award¹.
- University of Coimbra, Coimbra, Portugal.

 Licenciatura (roughly a 5 year pre-Bologna BSc) in Informatics Engineering, Fall 2001–Fall 2006.

Professional Experience

- AnubisNetworks—Lisbon, Portugal.
 Software Engineer (multi-class), June 2007 April 2013.
 - FROM OCTOBER 2012 Moved to the Operations team. Handled SpamAssassin management and performance tunning. Developed software to partially automate some management tasks, as well as spam statistics collection and analysis.
 - REQUIREMENTS: SpamAssassin, Perl, Apache, RRDTool.
 - FROM JUNE 2011 Development of *myFamily* and *Web Protection Service* web content filtering services.
 Focus on user interface and authentication.
 - REQUIREMENTS: C++, HTML, CSS, HTTP, tcpflow.
 - FROM MAY 2009 Participated in the development of a distributed architecture for MPS. The purpose
 was to allow multi-node installations, in order to meet the scalability requirements needed by carriers
 and other large customers.
 - REQUIREMENTS: Perl, Postfix, LDAP.
 - FROM JUNE 2007 Implemented the Reports module of the Mail Protection System[™] appliance (MPS)—
 Anubis' flagship product. Redesigned the latter's database to support that module—and to begin
 separating business logic from underlying system actions. Also became the de facto maintainer of the
 web interface, during this period.
 - REQUIREMENTS: Perl, Apache, MySQL.

Technical Skills

▶ PROGRAMMING LANGUAGES

- Imperative: proficient: C, Perl; experienced: C++, Python; basic skills: Java, Javascript/JQuery, Vim script.
- Functional: basic skills: Common Lisp.
- Markup: proficient: HTML, CSS, LTEX, Markdown; basic skills: UML.

▷ OPERATING SYSTEMS

- GNU/Linux: Began experimenting different distributions in 2000; became a regular user circa 2005.
 - Proficient ARCH LINUX user (current distribution of choice for personal computers).
 - Experienced with Debian and Ubuntu Server (mainly for small-network servers).
- **Microsoft Windows**: Last version regularly used was XP (SP3). Nowadays, occasionally fires up Win 10, to play the occasional computer game.

 $^{^1} See \ {\tt https://www.multicert.com/en/about-us/universities/.}$

▷ MISCELLANEOUS SOFTWARE

- Text Editors: Vim (proficient).
- Network: Open{SSH,SSL}, tcpflow, iptables, RRDTool, GnuPG.
- Mathematics: GNUplot, SageMath, libgmp.
- Databases: MySQL, SQLite, PostgreSQL.

Languages

Common European Framework of Reference for Languages (CEFRL) levels given for non-native idioms.

- **Portuguese**: native language. (*Note: European Portuguese*)
- English: fluent, both written (C1) and spoken (C1).
- Spanish: basic writing skills (A2) but fluent speaker (B2).

Additional Information

Informal Education / Professional Development

- **Cryptography I**, Stanford University, 2012. Coursera Online Platform – http://www.crypto-class.org. *Grade*: 98%.
- Curso Especial de Empresa, (employer-sponsored Spanish language training), 2008–2009. Instituto Cervantes de Lisboa. *Grade*: Sobresaliente (9 out of 10).

Miscellanea

- Outdoor sports enthusiast—mainly surf and football.
- 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://erroneousthoughts.org/blog. 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.