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 Award**[1].

- **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, LaTeX, 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.

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[1] See https://www.multicert.com/en/about-us/universities/.

▷ **MISCELLANEOUS SOFTWARE**

- **Text Editors**: Vim (proficient).

- **Mathematics**: GNUplot, SageMath, `libgmp`.

- **Network**: Open{SSH,SSL}, tcpflow, iptables, RRDTool, GnuPG.

- **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://randomwalk.eu/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.