

DIOGO PERALTA CORDEIRO

Computer scientist · software systems · technical leadership · applied research

mail@diogo.site · www.diogo.site · Porto, Portugal



EDUCATION

PhD in Electrical and Computer Engineering

2022-09 – present

Faculty of Engineering, University of Porto
Supervised by Prof. João Tasso de Figueiredo Borges de Sousa. Specialisation in Automation Engineering; fields: information engineering, computer science, intelligent systems, robotics, systems and control.

BSc in Computer Science

2017-09 – 2022-09

Faculty of Sciences, University of Porto
180 ECTS, of which 54 ECTS in Mathematics.

SELECTED COURSEWORK

real-time embedded systems, intelligent mobile robotics, dependable computing, machine vision, advanced algorithms, automatic control, computing theory, computer networking, concurrency, operations research, digital signal processing, interaction design, privacy enhancement

TECHNOLOGIES

PHP, C, Java, Haskell, Prolog, Erlang, SQL, Redis, UNIX & shell script, Git, MATLAB, LaTeX

SELF-HOSTING

Debian administration (since 2016), Nextcloud · Mailcow · Gitea, Ejabberd (XMPP) · ZNC (IRC), OPNsense firewall

LANGUAGES

Portuguese (native), English (C1 — Cambridge CAE, grade A in Reading and Use of English (C2))

LINKS

Website: www.diogo.site

Logbook: blog.diogo.site

Codeberg: codeberg.org/diogo

ORCID: orcid.org/0000-0002-0260-5121

EXPERIENCE

Systems Analyst

2022-03 – present

Apontamento Cordial

Strategic consulting, tailored training programmes and client-centric collaboration: analysing existing systems and processes to identify improvement opportunities and recommend solutions that raise productivity.

Dependable Computing in the Aerospace Sector

2022-09 – present

University of Porto

Member of the ANTAEUS 2U CubeSat on-board data-handling team; supervisor (formerly software lead) of the Porto Space Team student society.

Lead Software Engineer

2019-01 – 2022-09

GNU social — the free-software social networking platform

Led the development of GNU social v3 with funding from the EU's Horizon 2020 NG10 Discovery Fund (grant No 825322); previously contributed to v2 and mentored twelve students, three through Google Summer of Code.

Research Intern, Multimedia Communications Technologies

2022-06 – 2022-07

Centre for Telecommunications and Multimedia (CTM), INESC TEC

Compared parametric models of the human body for 3D representation; distinguished as the best work of the MCT category by the internship programme's jury.

SELECTED HONOURS

Best work — Multimedia Communications Technologies, Summer@CTM 2022

2022-07

INESC TEC

Best Oral Communication — Engineering

2022-05

15th U.Porto Young Researchers Meeting (IJUP 2022)

NG10 Discovery Fund grant

2021-02

European Union Horizon 2020 — grant agreement No 825322