

CURRICULUM VITÆ - João GALEGO

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I am a certified Physics nerd and an amateur forensic scientist with a keen interest in solving interesting and challenging problems. Over the years, I've worked as a data analyst, software tester, test automation engineer, DevOps engineer and ML consultant for several companies, in areas ranging from market research to fiber optic telecommunications and mobility. Currently, I work as a DevOps engineer and ML consultant at the Siemens Lisbon Tech Hub, while pursuing a PhD degree in Cognitive Science at Universidade de Lisboa. My research focuses on the application of ML algorithms to improve the performance of EEG-based brain-computer interfaces.

PROFESSIONAL EXPERIENCE

Siemens

2019 – Present

DevOps Engineer / ML Consultant

- Cloud solutions architect/administrator for 10+ applications running on AWS and Azure
- Lead contributor to 100+ Ansible roles, Terraform modules and Docker images
- Deployed and managed a Nagios-based monitoring system on-premises serving 500+ instances
- Organized workshops and trainings on DevOps, Machine Learning and Quantum Computing
- Performed technical assessment during 20+ interviews
- Supervised 10+ interns and trainees

Innowave

2017 – 2019

DevOps Engineer

- Designed and implemented test frameworks and automated tests for multiple projects and customers
- Organized internal and customer workshops and trainings on CI/CD, DevOps and test automation
- Served as a technical writer and reviewer

Coriant

2014 – 2017

Test Automation Engineer

- Increased test automation coverage by 10-fold in less than 2 years
- Managed a Jenkins cluster with 20+ build agents

EDUCATION

Universidade de Lisboa

2017 – Present

PhD Cognitive Science

- **Title:** *From Thought to Action - Machine Learning Techniques for Processing Electrophysiological Signals in Brain-Computer Interfaces*
- **Advisors:** Prof. Hugo Ferreira, Prof. Arlindo Oliveira
- **Keywords:** brain-computer interfaces, EEG, biosignal processing, riemannian classification, deep learning

Instituto Superior de Ciências Sociais e Políticas

2016 – 2017

PgD Forensic Studies

Instituto Superior Técnico

2008 – 2013

MSc Physics

- **Title:** *Flavour Aspects of Multi-Higgs Models* / Grade: 19/20
- **Advisors:** Prof. Gustavo Castelo Branco (*prémio Gulbenkian de Ciência 2001, comendador da Ordem de Sant'Iago de Espada 2005, Humboldt Research Award 2005, Seed of Science 2009*)
- **Keywords:** standard model, CP violation, discrete groups, flavour symmetries, multi-Higgs doublet models

CERTIFICATIONS



TECHNICAL SKILLS

Cloud Platforms: AWS, Azure, Google Cloud

Languages: C/C++, Go, Java, MATLAB, Python, Ruby

Tools: Ansible, Docker, Packer, Terraform

HONORS & AWARDS

QHack 2021 QML Challenge - Top 50

Xanadu / AWS

For more information, read my *QHack Recap - PennyLane, Amazon Braket and Beyond* article on Medium

AI@Sustainability Hackathon - Technical Excellence (Team Mobility)

Siemens

Developed an application on Amazon SageMaker together with Swiss Federal Railways (SBB) to predict the traffic volume and the modal split for a specific weather constellation and time based on a large set of real-world data points.

Associate Android Developer Fast Track Program Scholarship

Google / Udacity

Fully-paid scholarship to attend Udacity's Android course and take the Associate Android Developer exam

Junior Research Scholarship

Fundação para a Ciência e Tecnologia (FCT)

Scholarship for undergraduate students to work at the Center for Theoretical Particle Physics (CTFP)

LANGUAGES

Deutsch (elementary proficiency), English (full professional proficiency), Español (professional working proficiency), Français (professional working proficiency), Italiano (elementary proficiency), Português (native)