CURRICULUM VITÆ - JOÃO GALEGO

✉ jgalego1990@gmail.com | 🔗 linkedin.com/in/jgalego | 🌐 jgalego.github.io

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 of 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 in 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-targeted workshops and trainings on CI/CD, DevOps and test automation
- Served as technical writer and reviewer working together with software architecture team

Coriant
2014 – 2017

`Test Automation Engineer`

- Increased test automation coverage by 5-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 (IBEB/FCUL), Prof. Arlindo Oliveira (INESC/IST)
- **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 (CFTP/IST)
- **Keywords:** standard model, CP violation, discrete groups, flavour symmetries, multi-Higgs doublet models

CERTIFICATIONS

Self-Driving Car Engineer Nanodegree   2021
Udacity

AWS Certified Machine Learning - Specialty   2020
Amazon

Fundamentals of Digital Marketing   2020
Google

Microsoft Certified Azure Fundamentals (AZ-900)   2020
Microsoft

Associate Android Developer   2018
Google

Certified Jenkins Engineer   2016
Cloudbees

TECHNICAL SKILLS

Cloud Platforms: AWS, Azure, Google Cloud

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

Tools: Ansible, Docker, Packer, Terraform

HONORS & AWARDS

QHack 2021 QML Challenge - Top 50
Xanadu / AWS

Quantum machine learning hackathon hosted by Xanadu and AWS

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

AI@Sustainability Hackathon - Technical Excellence (Team Mobility)
Siemens

Built an application on top of 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

Full scholarship to audit Udacity's Android preparation course and take the Associate Android Developer exam

Junior Research Scholarship
Fundação para a Ciência e Tecnologia (FCT)

A scholarship for undergraduate students to work at the Center for Theoretical Particle Physics (CFTP)

LANGUAGES

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