

Carlos Melo

Researcher, Data Analyst and Back-end Developer



About me

Experienced researcher. Led projects at Claro S.A., Motorola, taught at Trybe, Alfa Faculdade and Laureate.

personal

Carlos Melo
nationality: Brazilian
1991

Areas of specialization

Computer Science • Blockchain
• Back-end • Data Structures and Algorithms

Interests

Python / Pandas / Data Analysis
/ Fast API
Java / Spring / Back-end

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 prof.casm@gmail.com
 casm3

SHORT RESUMÉ

2021-2024

Systems Analyst

COMPUTER SCIENCE INSTRUCTOR · Trybe

- Directly trained over 3,000 individuals, with more than 1,700 securing their first job in technology.
- Achieved cost savings of over R\$100,000 per year by addressing operational KPI errors.
- Implemented new OKRs to reduce churn rate by 10% and increase project approval rate by 15%.
- Revamped Java back-end development training program, raising NPS from 0 to 77 in less than a year.

DEGREES

2013

BSc in Computer Science

GARANHUNS · UFRPE

2016

M.Sc. in Computer Science

RECIFE · UFPE

2021

PhD in Computer Science

RECIFE · UFPE

PROGRAMMING

python



java



C#



R



javascript



CURRICULUM

2021-2024

Systems Analyst

COMPUTER SCIENCE INSTRUCTOR · Trybe

Directly trained over 3,000 individuals.

2021

Section Leader

CODE IN PLACE · Stanford University

Member of the teaching team.

2017-2018, 2021

Professor

ANALYSIS AND SYSTEMS DEVELOPMENT · Alpha and Laureate

- Computer Networks and General Systems Theory.
- Smart Contracts Development with Solidity.

2015-2017

Research Assistant

SUPPORT AND DEVELOPMENT · Motorola

Sync services between mobile and private cloud infrastructures.

CERTIFICATES & GRANTS

2022-2023

Data Structures & Algorithms

2022

Data Scientist

2021

Cloud Computing Specialist

LANGUAGES

Portuguese

- mother tongue

English

B2

Spanish

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PUBLICATIONS

2023

"Cloud infrastructure planning: models considering an optimisation method, cost and performance requirements", in: *IJGUC*.

2022

"A model-based approach for planning blockchain service provisioning", in: *Computing*.

2021

"Analytical models for availability evaluation of edge and fog computing nodes", in: *The Journal of Supercomputing*.