ANDRÉ VIEIRA DA SILVA

Physicist | Ph.D. | Data Science & Machine Learning

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PROFESSIONAL PROFILE

Physicist (Ph.D.) with a strong background in computational physics, data analysis, and scientific modeling. Experienced in developing data-driven solutions using programming, statistical analysis, and machine learning. Solid expertise in handling complex datasets, numerical simulations, and translating theoretical models into computational implementations. Currently expanding skills in applied analytics and financial markets.

EDUCATION

Ph.D. in Physics
UNICAMP

📅 August 2016 – August 2020

Doctoral Thesis: *Simulating heavy-ion collisions using a hybrid model based on QCD and hadronic rescattering*

M.Sc. in Physics
UNICAMP

📅 August 2014 – December 2016

B.Sc. in Physics
UNICAMP

📅 March 2008 – August 2013

ACADEMIC/SCIENTIFIC ACTIVITIES

International Workshop
QCD Challenges from pp to A–A Collisions

📅 August 2019   📍 Lund, Sweden

Poster Presentation
Studying the effect of the hadronic phase in nuclear collisions

📅 August 2019   📍 Lund, Sweden

Scientific Publication
Studies of heavy-ion collisions using PYTHIA Angantyr and UrQMD
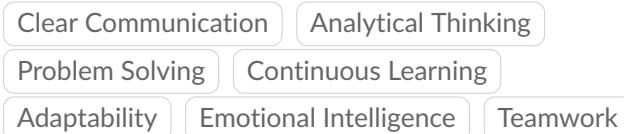
📅 March 2020

Doctoral Research
Hybrid models for relativistic heavy-ion collisions

📅 August 2020

TECHNICAL SKILLS

Python | C++ | SQL | JavaScript | HTML
CSS | Linux | Git | LaTeX | Data Analysis
Statistical Modeling | Machine/Deep Learning
Financial Markets | Blockchain | Data Science

SOFT SKILLS

Clear Communication | Analytical Thinking
Problem Solving | Continuous Learning
Adaptability | Emotional Intelligence | Teamwork

COURSES/CERTIFICATIONS

Blockchain A–Z
Udemy

📅 October 2021

Data Science & Machine Learning
Udemy

📅 March 2022

Python Programming Masterclass
Udemy

📅 August 2022

Python Hashtag Journey

📅 2025

Data Science Bootcamp
Unimed-BH

📅 126 hours

LANGUAGES

English   ●●●●○

Portuguese   ●●●●●