



GABRIEL CONCEIÇÃO ANDRADE

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EDUCATION

Master of Science | *Computational modeling - Focus in Computer Vision*

Universidade do Estado do Rio de Janeiro

July. 2022 – July 2024

Nova Friburgo, Rio de Janeiro

Bachelor | *Major: Computer Engineering*

Universidade do Estado do Rio de Janeiro

March 2015 – July

Nova Friburgo, Rio de Janeiro

WORK EXPERIENCE

Software development Intern

Rg Sistemas

May 2022 – July 2022

Nova Friburgo, RJ

- Software development and maintenance using HTML/CSS and Vue.js.

Web development Intern

DTO Publicidade

July 2021 – May 2022

Nova Friburgo, RJ

- Web development in HTML/CSS e PHP (Laravel) and Access Mysql database to generate reports for clients.

IT Analyst III

Frilog logística

Abril 2021 — Julho 2021

Nova Friburgo, RJ

- Internal Helpdesk services for multiple employees across business filials

Scientific Intern

Universidade do Estado do Rio de Janeiro

August 2018 — April 2021

Nova Friburgo, RJ

- Developed a Python simulation script for 2D Crank-Nicolson scheme for Hamiltonian operator quantization.
- Develop a Python framework for Hamiltonian qualitative analysis.

Internal Intern

Universidade do Estado do Rio de Janeiro

August 2017 — June 2018

Nova Friburgo, RJ

- Developed a Calculus minicourse using WxMaxima graduation students.

CONFERENCES AND PRESENTATIONS

Hamiltonian formulation describing the motion of a camera on a spherical surface with object at the center of the sphere

Oct. 2023

XXVI encontro nacional de modelagem computacional XIV encontro de ciencia e tecnologia dos materiais

Extension of 3D reconstruction pipelines using trinocular geometry

Oct. 2023

XXVI encontro nacional de modelagem computacional XIV encontro de ciencia e tecnologia dos materiais

The package Hsystems Analysis

Oct. 2019

XXII encontro nacional de modelagem computacional e X encontro de ciencia e tecnologia dos materiais

COMMUNITY INVOLVEMENT

Student representative at Computational Modeling departament in graduation

July 2018 – July 2022

Student representative at Mechanical engineering and Energy departament in graduation

July 2016 – July 2018

SKILLS

Languages: Portuguese (Native), English, Spanish

Programming: Python (NumPy, SciPy, Matplotlib, Pandas), MATLAB, C++, Javascript (Next js, Vue js), PHP (Laravel), Typescript, Linux, shell script, Cmake, SQL(NoSQL,MySQL)

Document Creation: Microsoft Office Suite, LaTeX, Markdown

EXTRAS

Contributed with OpenMVG implementing trifocal initial base reconstruction framework resulting into a patent in my country.

Contributed with Brown University into Lems vision system as part of research.

International Conference on Computer Vision revisor in 2019.

Computational and Applied Mathematics revisor in 2023

XIX Workshop de Visão Computacional revision in 2024

LGPLD minicourse taken in 2021

IoT Hackatruck participation in 2020