



Caio Conti Guidote Ribeiro

M.Sc. Student in Computer Science- Robotics

I'm 25 years old, male, from Brazil. Currently pursuing an **M.Sc. in Computer Science**, field of **Robotics**, at Federal University of Minas Gerais (UFMG), Brazil. Graduated in **Automation and Control Engineering** (Diploma - 5 years) at UFMG with one exchange semester in **Mechatronics Systems Engineering** at Hochschule Rhein-Waal, Kleve, Germany.

Academic Experience

Exchange Student

Hochschule Rhein-Waal

09/2022 - 02/2023

- Studied in Hochschule Rhein-Waal, Germany during one exchange semester with Ambassador Grant Scholarship.
- Enrolled in Mechatronics Systems Engineering. Courses taken: Bioinspiration, Evolutionary Algorithms, Scientific Methods, Leadership, Cross-Cultural Management and Creativity.

Undergraduate Volunteer Researcher

Laboratory of Computer Vision & Robotics (VeRLab)

11/2021 - 07/2023

- Main work: path design for a ground and an aerial vehicle that cooperate to survey shelves in a warehouse. Paper ranked among the top 15: <<https://ieeexplore.ieee.org/document/9995748>>
- Other works: paths for multi-robots systems with communication restrictions, dubins orienteering problem with dynamic rewards and reinforcement learning for human-robot interaction.

Software Engineer Intern

Localiza Rent a Car SA

08/2021 - 02/2022

- Backend Software Developer (30 hours/week).
- Responsible for developing the Human Resources software application.
- C#, SQL and JavaScript

Undergraduate Fellowship Researcher

Evolutionary Computation Laboratory UFMG

12/2020 - 07/2021

Project involved evolutionary methods for optimizing the design of power distribution lines based on environmental conditions.

- Software development, designing graphical interfaces and generating reports.
- Funded by the State Electric Power Company CEMIG Distribuição S.A

Electronic/Software Division Member | Manager

AVANT - UFMG

11/2017 - 11/2020

AVANT UFMG is a student-composed team that works with drones automation.

- Electronic assembly, control, computer vision, navigation and path planning for aerial vehicles.
- ROS, Gazebo, Python and C++.
- From 2019 to 2020 served as the Manager.
- Participated in the Brazilian Robotics Competition - Petrobras Robotic Challenge 2020: responsible for autonomous search and navigation.

Informations

Email

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Phone

+55 31 999484207

Nationality

Brazilian

Website

caiocontig.github.io

Linkedin

linkedin.com/in/caio-conti

Birth date

15/11/1998 - 25 years

Address

Belo Horizonte, Brazil.

Education

2017 - 2023

Automation and Control Engineering B.Sc

Federal University of Minas Gerais (UFMG)

2023 - Current

Computer Science M.Sc Robotics Field

Federal University of Minas Gerais (UFMG).

Scholarship - CAPES/PROEX

Languages

Portuguese - native

English:

- TOEFL (2021) - 102 Score
- FCE (2016) - B2

Skills

Python, C, C++, ROS, MatLab

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Video editing, Creativity, Management and Leadership