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.

Informations

Email
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Nationality
Brazilian

Website
caiocontig.github.io

Linkedin
linkedin.com/in/caio-conti

Birth date
15/11/1998 - 25 years

Education

2017 - 2023
Automation and Control Engineering B.Sc
Federal University of Minas Gerais (UFMG)

2023 - *Current*
Computer Science M.Sc Robotics Field
Department of Computer Science Federal University of Minas Gerais (UFMG)

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**

Academic Experience

Hochschule Rhein-Waal
09/2022 - 02/2023
Exchange Student

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

Laboratory of Computer Vision & Robotics (VeRLab)
11/2021 - 07/2023
Undergraduate Volunteer Researcher
- 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.

Localiza Rent a Car SA
08/2021 - 02/2022
Software Engineer Intern
- Backend Software Developer (30 hours/week).
- Responsible for developing the Human Resources software application.
- C#, SQL and JavaScript

Evolutionary Computation Laboratory UFMG
12/2020 - 07/2021
Undergraduate Fellowship Researcher

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

AVANT - UFMG
11/2017 - 11/2020
Electronic/Software Division Member | Manager

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.