Igor Lucindo Cardoso

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Rio de Janeiro, RJ

OBJECTIVE

PhD candidate eager to contribute to advancements in Industrial Engineering, with a focus on process optimization, and automation. Seeking to integrate expertise in engineering and mathematical modeling to tackle complex problems in industrial environments.

EDUCATION

2023 - 2024	M.A. Courses in Mathematical Modeling, **Getulio Vargas Foundation (FGV)**
	• Relevant coursework: Measure Theory, Probability Theory
2020 - 2024	B.S. in Electronic Engineering, **Military Institute of Engineering (IME)**
	• IME is the oldest and one of the best ranked engineering schools in Brazil. GPA: 8.29/10

PUBLICATION

Cardoso, Igor, Gomes, Carlos, Rosa, Paulo F.F. and da Fonseca, Vinicius Prado (2024). **Comparing Pre-Trained Object Detection Models for Autonomous Grasp on Affordable Prosthetic Hands**. In: *MeMeA 2024 - IEEE Medical Measurements & Applications*.

RESEARCH EXPERIENCE

Research Experience for Undergraduates at Memorial University of Newfoundland (MUN)

- Exchange Program, BioInspired Robotics Lab. Contributed to machine learning, computer vision, and robotics, focusing on system optimization and autonomy. Developed prosthetic hand with autonomous grasping.
- Project Advisor: Dr. Vinicius P. da Fonseca

VOLUNTEER EXPERIENCE

Shell Eco-marathon Team   2021 - 2023

- Participated as a team member in the Shell Eco-marathon, focusing on sustainable engineering solutions.
- Achievements: 1st place in "The Road to 2050" competition - 2021.

Robotics Club - RoboIME   2021 - 2023

- Active member of the Robotics Club at Military Institute of Engineering.
- Contributed to projects involving machine learning and computer vision.
- Achievements: 5th place in the Petrobras Challenge, Latin American Robotics Competition - 2021.

Mathematics Club   2017 - 2019

- Engaged in mathematical problem-solving sessions and competitions in High School.
- Achievements: Gold and Silver Medals in the Brazilian Mathematical Olympiad of Public Schools (OBMEP) - 2018 and 2019.

SKILLS

Languages	Portuguese (native), English (TOEFL: 87/120), French (intermediate)
Programming Languages	C/C++, Python, Matlab, JavaScript, HTML, CSS, FPGA.
Technical Software	Git, LaTeX, Microsoft Office, Cloud Firestore, ROS, Arduino.
Relevant Courses	Measure Theory, Probability Theory, Introduction To Machine Learning, Introduction to Algorithms.

REFERENCES

Dr. Vinicius P. da Fonseca (advisor) - vpradodafons@mun.ca