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Paulo Rezeck

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EDUCATION

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| DOCTOR OF PHILOSOPHY IN COMPUTER SCIENCE | 06/2019 — 10/2022* |
| Universidade Federal de Minas Gerais (UFMG) | Brazil 🇧🇷 |
| MASTER OF SCIENCE IN COMPUTER SCIENCE | 08/2016 — 02/2019 |
| Universidade Federal de Minas Gerais (UFMG) | Brazil 🇧🇷 |
| BACHELOR OF SCIENCE IN COMPUTER SCIENCE | 08/2010 — 07/2016 |
| Universidade Federal de Minas Gerais (UFMG) | Brazil 🇧🇷 |
| MASTER OF SCIENCE / INTERNSHIP IN COMPUTER SCIENCE | 02/2014 — 09/2015 |
| Eberhard Karls University of Tübingen | Germany 🇩🇪 |

PROFESSIONAL EXPERIENCE

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| TECH LEADER / DIGITAL INSPECTION OF INDUSTRIAL PAINTING ACTIVITIES USING COMPUTER VISION | 08/2020 — 07/2022 |
| Petrobras / Universidade Federal de Minas Gerais (UFMG) | Brazil 🇧🇷 |
| Description: Recognition of human actions for industrial painting activity using deep learning approaches. | |
| ROBOTICS ENGINEER / ARTIFICIAL INTELLIGENCE ROBOTIC RACING | 02/2019 — 04/2020 |
| XQuad Team | Brazil 🇧🇷 / USA 🇺🇸 |
| Description: Worked with a team specialized in UAV to create an AI for racing drones that can beat a human pilot. Awarded 7th/424 place at the Artificial Intelligence Robotic Racing (AIRR) competition. | |
| STUDENT RESEARCHER / ADVANCED TELEOPERATION OF EXCAVATORS IN THE MINING INDUSTRY | 10/2017 — 08/2020 |
| Vale Institute of Technology (ITV) / Universidade Federal de Minas Gerais (UFMG) | Brazil 🇧🇷 |
| Description: Develop a framework for excavator teleoperation using haptic technologies and visual immersion. | |
| STUDENT RESEARCHER/ COOPERATIVE MAGNETIC-MAPPING USING SMALL UAVS | 09/2015 — 08/2017 |
| Vale Institute of Technology (ITV) / Universidade Federal de Minas Gerais (UFMG) | Brazil 🇧🇷 |
| Description: Control of multiple drones creating a magnetic mapping for planning the ore deposits exploration. | |

LANGUAGES & OTHER PROFESSIONAL QUALIFICATIONS

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| Programming Languages & Frameworks | Python, C, C++, Java, MATLAB, ROS, OpenCV, Unity, Docker, Git. Experience with good programming practices, clean code, debugging, and testing; |
| Teaching Assistant | Mobile Robotics (2018) & Introduction to Artificial Intelligence (2021) both at UFMG. |
| Scientific Production | 8 journals, 12 conferences, 4 workshop/abstracts. |
| Languages | Portuguese (native), English (proficient), German (limited working proficiency). |