

Mateus Goncalves Machado

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Education

BSc	Universidade Federal de Pernambuco , Computer Engineering	Jan 2019
MSc	Universidade Federal de Pernambuco , Computer Science	Jan 2022
PhD	Universidade Federal de Pernambuco , Computer Science	Jan 2022 – present

Experience

ISI-TICs , Reinforcement Learning Researcher	Recife, Pernambuco, Brazil
<ul style="list-style-type: none"> Team Lead Task management Discovery and application of Reinforcement Learning methods for real-world problems 	Sept 2025 – present 8 months
CIn-Softex Robotics Residence , Tech Lead	Recife, Pernambuco, Brazil
<ul style="list-style-type: none"> Task management Discovery and exploration on robotics technologies 	Aug 2024 – Sept 2025 1 year 2 months
ParqueTec-UFPE , Cluster Manager	Recife, Pernambuco, Brazil
<ul style="list-style-type: none"> Managed the cluster of the ParqueTec-UFPE Organized the activities of the cluster Slurm management 	Feb 2024 – July 2024 6 months

Academic Experience

Renewable Energy Center	Recife, Pernambuco, Brazil
<ul style="list-style-type: none"> Studied Time Series methods for Wind Power Prediction on Wind Farms Developed Machine Learning methods for Wind Power Prediction on Wind Farms Designed and developed a Web application to analyze the status of Wind Turbines/Farms and the prediction of the Time Series 	Feb 2020 – Dec 2022
Proxy Oil Lab - LITPEG	Recife, Pernambuco, Brazil
<ul style="list-style-type: none"> Studied Artificial Neural Network methods for sequential data prediction Developed Machine Learning methods for sequential data prediction 	Feb 2023 – Feb 2024
RobôCIn	Recife, Pernambuco, Brazil
<ul style="list-style-type: none"> Mainly used technologies are C++, Python, Docker, and Notion. Designed and developed robot soccer behaviors. Developed artificial intelligence algorithms to apply on soccer robots. Developed metrics to analyze data regarding the team performance. Lead the team, organizing, schedule, activities, and managing Git repositories. 	Jan 2017 – present

Skills

Languages: Python (6 years), SQL, ROS2, C/C++ (2 years)

Technologies: Deep and Machine Learning, Python Frameworks, ROS2, Gazebo, Docker, Git, Unix/Bash

Languages: Portuguese (Native), English (C1)

Accomplishments

- Winner in Latin America Robotics Competition among 10 teams (2020, 2021, 2022, 2023)
- Second place in HackaSerpro (2019)