

MARIA LAURA BRZEZINSKI MEYER

PhD in automation engineering and industrial computing.

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EDUCATION

INSA Toulouse

PhD candidate in automation and computer science

 2021 – 2025

 Toulouse/France

INP ENSEEIHT

Master's degree in Electrical and Automatic Engineering

 2018 – 2020

 Toulouse/France

Federal University of Santa Catarina (UFSC)

Bachelor's degree in Control and Automatic Engineering

 2014 – 2021

 Florianopolis/Brazil

PROFESSIONAL EXPERIENCES

CIFRE Contract

Renault Software Labs

 03/2021 to 03/2024

 Toulouse/France

Thesis in progress in the automotive field for the selection of integration tests using artificial intelligence.

Automatic Test Selection

Renault Software Labs

 02/2020 to 08/2020

 Toulouse/France

Collection, analysis and filtering of test results for automatic integration test selection using artificial intelligence methods.

Intrusion detection on computer networks

Laboratory for Analysis and Architecture of Systems (LAAS)

 06/2019 to 08/2019

 Toulouse/France

Use of machine learning algorithms and behavioral analysis of computer network traffic to detect anomalies, resulting in an article.

Shearography Project for Composite Inspection

Metrology and Automatics Laboratory (LABMETRO)

 02/2016 to 10/2017

 Florianopolis/Brazil

Worked with the software development and maintenance team, developing a program to maintain oil and gas pipes using the C# language in Visual Studio.

PROGRAMMING LANGUAGES

C C++ C# Java HTML PHP Python Matlab LabView
Ladder Grafcet LaTeX Microsoft Office Linux UML

SKILLS



Artificial Intelligence

Applications of machine learning and reinforcement learning algorithms.



Data Science

Data collection, analysis and filtering.



Object Oriented Programming

Creation and maintenance of software and applications, connected with database and web.

PUBLICATIONS



Combining Machine Learning and Behavior Analysis Techniques for Network Security

M. L. Brzezinski Meyer and Y. Labit, 2020 International Conference on Information Networking (ICOIN 2020)



TSAI - Test Selection using Artificial Intelligence for the Support of Continuous Integration

M. L. Brzezinski Meyer, 2021 IEEE International Symposium on Software Reliability Engineering Workshops (ISSREW 2021)



A Case Study on the "Jungle" Search for Industry-Relevant Regression Testing

M. L. Brzezinski Meyer, H. Waeselynck, F. Cuesta, 23rd IEEE International Conference on Software Quality, Reliability & Security (QRS 2023)

LANGUAGES

French

TCF B2



English

TOIEC B2



Portuguese

Native

