

# MARIA LAURA BRZEZINSKI MEYER

PhD student in the artificial intelligence domain.

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👤 https://laurabrmeyer.github.io/



## EDUCATION

INSA Toulouse

PhD candidate in automation and computer science

📅 2021 – present

📍 Toulouse/France

INP ENSEEIHT

Master's degree in Electrical and Automatic Engineering

📅 2018 – 2020

📍 Toulouse/France

Federal University of Santa Catarina (UFSC)

College 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 Altium  
XAML 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, "Combining Machine Learning and Behavior Analysis Techniques for Network Security," 2020 International Conference on Information Networking (ICOIN), Barcelona, Spain, 2020, pp. 580-583, doi: 10.1109/icoin48656.2020.9016500.



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

M. L. Brzezinski Meyer, "TSAI - Test Selection using Artificial Intelligence for the Support of Continuous Integration," 2021 IEEE International Symposium on Software Reliability Engineering Workshops (ISSREW), 2021, pp. 306-309, doi: 10.1109/ISSREW53611.2021.00092.

## LANGUAGES

French

TCF B2



English

TOIEC B2



Portuguese

Native

