

LUIZ FERNANDO PUTTOW SOUTHER

Rua Vinte e Um de Abril 630
Pato Branco PR - Brazil Zip Code 85508-212 🏠
+55 46 9 99822676 📞
luizsouthier@gmail.com ✉️
www.linkedin.com/in/luizsouthier 🌐
luizsouthier.github.io 🌐

EDUCATION



Post Doctorate in Artificial Intelligence Federal University of Technology - Parana, Pato Branco, Brazil	Mar 2023
PhD in Data Science Pontifical Catholic University of Parana, Curitiba, Brazil GPA: 10.0/10.0	Sep 2019 Mar 2023
Master of Science in Electrical Engineering Federal University of Technology - Parana, Pato Branco, Brazil GPA: 9.5/10.0	Sep 2017 Sep 2019
Bachelor of Science in Computer Engineering Federal University of Technology - Parana, Pato Branco, Brazil GPA: 8.6/10.0	Sep 2017 Mar 2011
Scientific Mobility Program for Bachelor of Science in Computer Engineering Specialization in Web Design The Pennsylvania State University, University Park, PA GPA: 4.0	Aug 2013 Dec 2014
Intensive English Communication Program The Pennsylvania State University, University Park, PA GPA 4.0	Aug 2013 Dec 2013

EMPLOYMENT EXPERIENCE



Researcher. Head of research team Federal University of Technology - Parana, Pato Branco, Brazil Solution to correlate patterns in children's fingerprints with signs of the same individual at later ages.	Mar 2023
Researcher. Advisor Edson Scalabrin - PhD Pontifical Catholic University of Parana, Curitiba, Brazil UpFlux, Jaraguá do Sul, Brazil Development of a framework to understand and review clinical processes.	Aug 2019 Mar 2023
Researcher. Advisor Marcelo Teixeira - PhD Federal University of Technology - Parana, Pato Branco, Brazil Development of a web tool for public administration of the municipality of Vacaria, Brazil	Sep 2017 Aug 2019
Research Assistant. Advisor José Donizetti de Lima - PhD Federal University of Technology - Parana, Pato Branco, Brazil Development of a web tool for Study and Research in Economic Feasibility of Investment Projects - SAVEPI	Mar 2015 Jul 2017
Research Assistant. Advisor Dennis Shasha - PhD	May 2014

Research Assistant. Advisor Teodora Pinheiro Figueroa - PhD

Mar 2011

Federal University of Technology - Parana, Pato Branco, Brazil

Aug 2013

Development of web system for planned harvest of eucalyptus forest

**ACADEMIC
SKILLS**

- ✓ Algorithms and Data Structures
- ✓ Analytic Geometry
- ✓ Artificial Intelligence
- ✓ Calculus
- ✓ Communication Systems
- ✓ Compilers
- ✓ Computational Security
- ✓ Computer Architecture and Organization
- ✓ Computer Graphics
- ✓ Computer Networks
- ✓ Computer Theory
- ✓ Control of Discrete Event Systems
- ✓ Control Systems
- ✓ Databases
- ✓ Digital Systems
- ✓ Discrete Mathematics
- ✓ Distributed Systems
- ✓ Economy
- ✓ Electric Power Systems
- ✓ Electronics and Instrumentation
- ✓ Embedded Systems
- ✓ Entrepreneurship
- ✓ Human-Computer Interaction
- ✓ Linear Algebra
- ✓ Machine Learning
- ✓ Natural Language Processing
- ✓ Operational Systems
- ✓ Optimization Methods
- ✓ Probability and Statistics
- ✓ Process Mining
- ✓ Reconfigurable Logic
- ✓ Research Methodology
- ✓ Robotics
- ✓ Signal Processing
- ✓ Software Engineering
- ✓ Technical Drawing

**SOFTWARE
SKILLS**

- ✓ C++
- ✓ CSS
- ✓ HTML
- ✓ Java
- ✓ JavaScript
- ✓ MATLAB
- ✓ PHP
- ✓ Python
- ✓ MySql
- ✓ SqlServer
- ✓ PostgreSQL
- ✓ Adobe Suite
- ✓ Corel Draw
- ✓ Google Search
- ✓ Microsoft Office
- ✓ Simulink

INVOLVEMENT

2017-2019
2015-2019
2016-2017
2011-2013
2011-2013
2012-2013
2012-2013
2011-2012

Instructor, Excel Course**Instructor**, MatLab Course**President**, Computer Engineering Students Body**Member**, Continuing education in Theater Workshop - Group Artificer**Member**, Continuing education in English language**Instructor**, Hypertext Markup Language Course**Instructor**, Integral Differential Calculus Course**Instructor**, Computer Graphics - Mathematical Foundations