

# 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



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

## EMPLOYMENT EXPERIENCE



<b>Researcher. Head of research team</b> 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
<b>Researcher. Advisor Edson Scalabrin - PhD</b> 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
<b>Researcher. Advisor Marcelo Teixeira - PhD</b> 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
<b>Research Assistant. Advisor José Donizetti de Lima - PhD</b> Federal University of Technology - Parana, Pato Branco, Brazil	Mar 2015 Jul 2017

**Research Assistant. Advisor Dennis Shasha - PhD**

New York University, NY, USA

Development of a web tool for meal planning with Linear Programming

May 2014

Aug 2014

**Research Assistant. Advisor Teodora Pinheiro Figueroa - PhD**

Federal University of Technology - Parana, Pato Branco, Brazil

Development of web system for planned harvest of eucalyptus forest

Mar 2011

Aug 2013

**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 **Instructor**, Excel Course
- 2015-2019 **Instructor**, MatLab Course
- 2016-2017 **President**, Computer Engineering Students Body
- 2011-2013 **Member**, Continuing education in Theater Workshop - Group Artificer
- 2011-2013 **Member**, Continuing education in English language
- 2012-2013 **Instructor**, Hypertext Markup Language Course
- 2012-2013 **Instructor**, Integral Differential Calculus Course
- 2011-2012 **Instructor**, Computer Graphics - Mathematical Foundations