## LUIZ FERNANDO

# **PUTTOW SOUTHIER**

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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

Development of a web tool for meal planning with Linear Programming

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

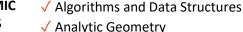
Mar 2011

Federal University of Technology - Parana, Pato Branco, Brazil

Aug 2013

Development of web system for planned harvest of eucalyptus forest

#### **ACADEMIC SKILLS**



- ✓ 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++ √ JavaScript ✓ CSS ✓ MATLAB
- ✓ HTML ✓ PHP
- ✓ Java ✓ Python
- √ MySql

- √ Corel Draw
- √ SqlServer
- √ Google Search
- ✓ PostgreSQL
- √ Microsoft Office
- √ Adobe Suite
- √ 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