

LUIZ FERNANDO PUTTOW SOUTHIER

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EDUCATION



PhD in Data Science

Pontifical Catholic University of Parana, Curitiba, Brazil
GPA: 10.0/10.0

Sep 2019
Currently

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



Research Assistant. 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
Currently

Research Assistant. 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

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
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