SUMMARY

Ph.D. in Computer Science and Industrial Engineer. Experienced AI researcher with focus on causality and responsible AI. Enthusiastic people leader, content creator, and facilitator.

André dos Santos
Ph.D. & Industrial Engineer

🏠 Edmonton AB Canada

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📞 (306) 570-1413

🖥️ andreeds.github.io

EXPERIENCE

MACHINE LEARNING EDUCATOR
SUMMER 2022 - PRESENT

ASSOCIATE MACHINE LEARNING EDUCATOR
WINTER 2022 - SUMMER 2022

Alberta Machine Intelligence Institute (AMII)
Training Team - Edmonton, Canada
- Acted as a trusted advisor and education facilitator to product streams and clients as they work to determine how best AI and ML tools can solve their business problems.
- Delivered and facilitated engaging workshops, lectures, and full courses for a variety of audiences.
- Approached personal development and learning opportunities with a collaborative lens and drew lessons for future coaching and people leadership opportunities
- Firmly established themselves as trusted subject matter expert

POSTDOCTORAL FELLOW
SPRING 2020 - FALL 2022

UNIVERSITY OF ALBERTA & SCOTIABANK
Computing Science Department - Edmonton, Canada
- Information extraction from unstructured financial data
- Synthetic data generation on panel financial data
- Leader on research and application for AI explainability study with Causality
- NVIDIA GTC 2021 Presentation

UNIVERSITY OF REGINA
Computer Science Department - Regina, Canada
- Development of course syllabus
- Adapting course material to online during COVID-19 transitioning

SESSIONAL LECTURER
SUMMER 2020
WINTER 2020
WINTER 2020
FALL 2019

Advanced Data Structures and Algorithm Design *CS340*
Introduction to Operating Systems *CS330*
Object-Oriented Design *CS115*
Discrete Computational Structures *CS310*

GUEST LECTURER
FALL 2018
SPRING 2017

Database Systems *CS875*
Uncertain Reasoning in AI *CS838*

LAB INSTRUCTOR
FALL 2018
SPRING 2017
2015 - 2019

Data Structures and Abstractions *CS210*
Web and Database Programming *CS215*
Programming and Problem Solving *CS110*

CLERICAL CLERK
2015 - 2019

BROADCASTING OPERATOR
WINTER 2016

CO-OP PLACEMENT
Fall 2013

UNIVERSITY OF REGINA
Audio Visual Services - Regina, Canada
- Managed smart classrooms software installation
- Camera, microphone, and sound operator
- Operated a live studio for a Distance Education Broadcasting, including recording and camera & channel transitions
- All positions involved setup and troubleshooting of equipment

LOGISTIC ANALYST
2011 - 2012

GUHRING BRASIL FERRAMENTAS LTDA - Joinville, Brazil
- Consulted with production supervisor to schedule production runs in a cost and time-efficient manner
- Prepared and maintained diverse reports on the progress of work, materials used, rates of production and other production information, using manual or computerized systems
- Involved with the planning and executing of *5 S's and ISO9000* certificate
- Recognized and promoted for demonstrating high level of responsibility, diligence, and commitment

WHY HIRE ME?

- Ability to conduct high-quality research and published in top-tier venues in **artificial intelligence** and machine learning

- Experience with deploying **AI tools** in large-scale, production-level systems

- Proficiency in **Programming**, **Machine Learning**, **Web Development**, and **Product Development**

- An energetic and fast learner who excels at prioritizing, completing **multiple tasks** simultaneously, and following through to achieve project goals

- Excellent **communication skills** proven as workshops facilitator, university lecturer and instructor

- Dedicated and proactive professional with **6 years of experience** in AI, achieving high-quality deliveries by providing technical expertise on **research innovation** and **solution design** in different industries

- Strong people **leadership** skills and expertise in **project management**, with the ability to effectively lead and deliver successful projects on time and on budget
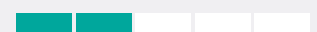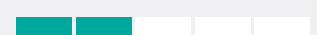
PROFESSIONAL SKILLS

Skill	Level
Python	▰▰▰▰▰
C++	▰▰▰▰▰
MySQL	▰▰▰▰▱
TensorFlow	▰▰▰▰▱
R	▰▰▱▱▱
Keras	▰▰▰▰▱
Spark	▰▰▰▱▱
JavaScript	▰▰▱▱▱
RAPIDs	▰▰▰▱▱
Pandas	▰▰▰▰▰

André dos Santos
Ph.D. & Industrial Engineer

⭐ **Brazilian**   ♥ **30 years old**

📍 **Permanent Resident in Canada**

EDUCATION

DOCTOR OF PHILOSOPHY
2016 - 2020

UNIVERSITY OF REGINA
Ph.D. of Science in Computer Science - Regina, Canada

Deep Learning & Probabilistic Graphical Models

MASTER OF SCIENCE
2015 - 2016

UNIVERSITY OF REGINA
M.Sc. Computer Science - Regina, Canada

Probabilistic Graphical Models

ENGINEERING
2010 - 2014

UNIVERSITY OF SANTA CATARINA STATE
Bachelor of Industrial System Engineering - Joinville, Brazil

ELECTRICIAN
2010 - 2014

SENAI
Industrial Training Course - Joinville, Brazil

PUBLICATIONS

NVIDIA GTC
2021

Synthetic Data Generation of Financial Transactions: A Privacy-Driven Roadmap for Unsupervised Learning
A. E. dos Santos, J. Lamontagne, D. Barbosa, P. Edwards.

AAAI
2019

Deep Convolutional Sum-Product Networks
C. J. Butz, J. S. Oliveira, A. E. dos Santos, A. L. Teixeira

IJAR
2018

An Empirical Study of Bayesian Network Inference with Simple Propagation.
C. J. Butz, J. S. Oliveira, A. E. dos Santos, A.L. Madsen

+23 PUBLICATIONS
2015 - 2021

Conferences & Journals

SERVICE

2022 - PRESENT

TENANT FLOOR WARDEN
Amii / First and Jasper- Edmonton, Canada

2022 - PRESENT

BOARD OF DIRECTORS MEMBER
Queer & Trans Health Collective (QTHC) - Edmonton, Canada

2016 - 2020

PRESIDENT, TREASURER, SECRETARY, LOGO CREATOR
University of Regina Jiu Jitsu Club - Regina, Canada

2016 - 2020

PRESIDENT, TREASURER, SECRETARY
Brazilian Student Association (BRASA) - Regina, Canada

2018

LOGO CREATOR
RPIRG The Green Patch Garden - Regina, Canada

2016 - 2020

INTRODUCTION TO COMPUTERS FOR THE ELDERLY AND ADULTS
University of Santa Catarina State - Joinville, brazil

LANGUAGES

English
French
Portuguese
Spanish

AWARDS

$ 22,623.38   2016 - 2020
GRADUATE STUDIES RESEARCH FELLOWSHIP (GRF)
University of Regina - Regina, Canada

$ 5,600   WINTER 2016
$ 6,000   FALL 2015
$ 3,500   SUMMER 2015
SCHOLARLY AWARDS
University of Regina - Regina, Canada

$ 65,023.41 BRL   2013
SCIENCE WITHOUT BORDERS SWG/CANADA CBIE
University of Santa Catarina State - Joinville, Brazil

INTERESTS

3rd kyu (light blue belt) in Shorinji Kan **Jiu Jitsu**

Ukulele enthusiast

Cartoonist

Standard **First Aid** with CPR C & AED