



SUMMARY

Ph.D. in Computer Science and Industrial Engineer. Enthusiastic people leader, content creator, and facilitator with expertise in Generative and Responsible AI.

André

dos Santos

Ph.D. & Industrial Engineer

🏠 Edmonton AB
Canada

📞 (306) xxx-xx13

✉️ andre dot eds at gmail
dot com

💻 andreeds.github.io

EXPERIENCE

DIRECTOR OF CURRICULUM

Alberta Machine Intelligence Institute (AMII)
Training Team - Edmonton, Canada

- SUMMER 2023 - WINTER 2024*
- Led, planned and executed all facets of curriculum strategy development on behalf of internal and external clients. Delegated tasks to members of the Training Team as appropriate.
 - Planned, curated, and delivered training on a multitude of content in AI, including AI Ethics deployment and Generative AI MOOCs.
- WINTER 2022 - SUMMER 2023*
- Managed over 100 UofA grad students on diverse AI projects.
 - Organizer of Responsible AI track at Upper Bound business conference (2024)
 - Business strategy construction for client engagement and retention.

MACHINE LEARNING EDUCATOR

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* Advanced Data Structures and Algorithm Design *CS340*
WINTER 2020 Introduction to Operating Systems *CS330*
WINTER 2020 Object-Oriented Design *CS115*
FALL 2019 Discrete Computational Structures *CS310*

GUEST LECTURER

- FALL 2018* Database Systems *CS875*
SPRING 2017 Uncertain Reasoning in AI *CS838*

LAB INSTRUCTOR

- FALL 2018* Data Structures and Abstractions *CS210*
SPRING 2017 Web and Database Programming *CS215*
2015 - 2019 Programming and Problem Solving *CS110*

CLERICAL CLERK

2015 - 2019 **UNIVERSITY OF REGINA**
Audio Visual Services - Regina, Canada

BROADCASTING OPERATOR

- 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

CO-OP PLACEMENT

Fall 2013

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?

Expert in **Generative AI** and **Responsible AI**, including governance and deployment, and deeply committed to the development and deployment of safe, trustworthy AI, with a focus on continuous improvement and societal benefits.

Experience with **AI product lifecycle**, with a strong background in establishing data governance and management frameworks that respect privacy and legal requirements.

Proven success in identifying and fostering data sharing partnerships across public and private sectors to advance AI research and innovation.

Skilled **leader** in guiding diverse teams towards common goals, enhancing business objectives

Recognized for representing organizations as a thought leader, with exceptional ability to engage stakeholders and **communicate complex** concepts clearly.

PROFESSIONAL SKILLS

Python



C++



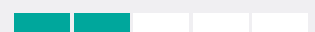
MySQL



TensorFlow



R



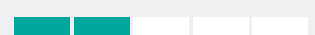
Keras



Spark



JavaScript



RAPIDs



Pandas



André

dos Santos

Ph.D. & Industrial Engineer

★ Brazilian

♥ 1992

📍 Canadian Citizen

EDUCATION

DOCTOR OF PHILOSOPHY

2016 - 2020

UNIVERSITY OF REGINA

Ph.D. of Science in Computer Science - Regina, Canada

Generative AI, 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

JMIR Medical Education

2024

A Novel Evaluation Model for Assessing ChatGPT on Otolaryngology–Head and Neck Surgery Certification Examinations: Performance Study

C. Long, K. Lowe, J. Zhang, A. dos Santos, A. Alanazi, D. O'Brien, E. D. Wright, D. Cote

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

+24 PUBLICATIONS

2015 - 2021

Conferences & Journals

SERVICE

2022 - PRESENT

BOARD OF DIRECTORS MEMBER

Queer & Trans Health Collective (QTHC) - Edmonton, Canada

2022 - 2024

TENANT FLOOR WARDEN

Amii / First and Jasper- 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

