

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



andre.dossantos@amii.ca



andreeds.github.io

EXPERIENCE

DIRECTOR OF Alberta Machine Intelligence Institute (AMII)

CURRICULUM Training Team - Edmonton, Canada

SUMMER 2023 - PRESENT - Act as a functional supervisor to members of the Training Team. - Acted as a trusted advisor and education facilitator to product streams and

MACHINE LEARNING

business problems. **EDUCATOR** - Led, planned and executed all facets of curriculum strategy development on WINTER 2022 - SUMMER 2023 behalf of internal and external clients. Delegated tasks to members of the Training Team as appropriate.

clients as they work to determine how best AI and ML tools can solve their

WHY HIRE ME?

achieve project goals

- 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
- 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

POSTDOCTORAL FELLOW UNIVERSITY OF ALBERTA & SCOTIABANK

SPRING 2020 - FALL 2022 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

Object-Oriented Design CS115

SESSIONAL LECTURER - Adapting course material to online during COVID-19 transitioning

SUMMER 2020 WINTER 2020

Advanced Data Structures and Algorithm Design CS340

WINTER 2020

Introduction to Operating Systems CS330

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 UNIVERSITY OF REGINA

2015 - 2019 Audio Visual Services- Regina, Canada

BROADCASTING - Managed smart classrooms software installation - Camera, microphone, and sound operator

OPERATOR - Operated a live studio for a Distance Education Broadcasting, including WINTER 2016 recording and camera & channel transitions

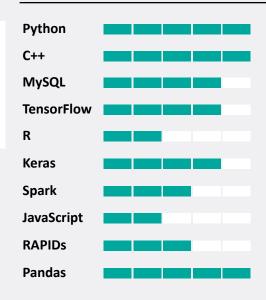
CO-OP PLACEMENT - All positions involved setup and troubleshooting of equipment

Fall 2013

LOGISTIC ANALYST GUHRING BRASIL FERRAMENTAS LTDA - Joinville, Brazil

- 2011 2012 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

PROFESSIONAL SKILLS



André dos Santos Ph.D. & Industrial Engineer

EDUCATION

DOCTOR OF PHILOSOPHY

UNIVERSITY OF REGINA

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

2016 - 2020

Deep Learning & Probabilistic Graphical Models

MASTER OF SCIENCE

UNIVERSITY OF REGINA

M.Sc. Computer Science - Regina, Canada

2015 - 2016

Probabilistic Graphical Models

ENGINEERING

UNIVERSITY OF SANTA CATARINA STATE

2010 - 2014

Bachelor of Industrial System Engineering - Joinville, Brazil

ELECTRICIAN

SENAI

2010 - 2014 Industria

Industrial Training Course - Joinville, Brazil

PUBLICATIONS

NVIDIA GTC

Synthetic Data Generation of Financial Transactions: A

2021 Privacy-Driven Roadmap for Unsupervised Learning A. E. dos Santos, J. Lamontagne, D. Barbosa, P. Edwards.

AAAI

Deep Convolutional Sum-Product Networks

2019 C. J. Butz, J. S. Oliveira, A. E. dos Santos, A. L. Teixeira

IJAR

An Empirical Study of Bayesian Network Inference with

2018 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

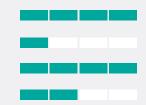
LANGUAGES

English

French

Portuguese

Spanish



AWARDS

\$ 22,623.38

2016 - 2020

GRADUATE STUDIES RESEARCH

FELLOWSHIP (GRF)

University of Regina - Regina, Canada

\$ 5,600

WINTER 2016 FALL 2015

\$ 6,000 \$ 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







