André Evaristo
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Ph.D. student, M.Sc. in Computer Science, Industrial Engineer

Date of birth: February 8th, 1992
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EDUCATION

2016 PRESENT

University of Regina, Canada — *Ph.D. of Science Student in Computer Science*
- Supervisor: Dr. Cory Butz
- Study emphasis: Deep Learning & Probabilistic Graphical Models

2015 2016

University of Regina, Canada — *Master of Science in Computer Science*
- Supervisor: Dr. Cory Butz
- Study emphasis: Probabilistic Graphical Models
- Graduate grade point average: 92.8

2010 2014

University of Santa Catarina State, Brazil — *Bachelor of Industrial System Engineering*

2013

University of Regina, Canada — *Science Without Borders Brazilian Exchange Program - CNPq*

2007

SENAI, Brazil — *Maintenance Electrician Industrial Training Course*

PUBLICATIONS

Papers in Refereed Journals

1. C. J. Butz, J. S. Oliveira, A. E. dos Santos, A. L. Madsen, *An Empirical Study of Bayesian Network Inference with Simple Propagation*, **International Journal of Approximate Reasoning**, Vol. 92, 198–211, 2018.
2. C. J. Butz, A. E. dos Santos, J. S. Oliveira, C. Gonzales, *An Empirical Study of Testing Independencies in Bayesian Networks using rp-Separation*, **International Journal of Approximate Reasoning**, Vol. 92, 270–278, 2018.
3. C. J. Butz, A. E. dos Santos, J. S. Oliveira, C. Gonzales. *On a Simple Method for Testing Independencies in Bayesian Networks*, **Computational Intelligence**, Vol. 34, No. 3, 789–801, 2018.
4. C. J. Butz, J. S. Oliveira, A. E. dos Santos, *On Darwinian Networks*, **Computational Intelligence**, Vol. 33, No. 4, 629–655, 2017.

Refereed Conference Papers

1. C .J. Butz, J. S. Oliveira, A. E. dos Santos, A.L. Teixeira, *Deep Convolutional Sum-Product Networks*, **Thirty-Third AAAI Conference on Artificial Intelligence (AAAI)**, 2019.
2. C. J. Butz, A. L. Teixeira, J. S. Oliveira, A. E. dos Santos, *On the Tree Structure of Deep Convolutional Sum-Product Networks*, **Thirty-Second International Florida Artificial Intelligence Research Society Conference (FLAIRS)**, 500--503, 2019.
3. C. J. Butz, A. E. dos Santos, J.S. Oliveira, A. L. Madsen, *Exploiting Symmetry of Independence in d-Separation*, **Thirty-second Canadian Conference on Artificial Intelligence (AI)**, 42--54, 2019.
4. A. L. Madsen, C. J. Butz, J. S. Oliveira, A. E. dos Santos, *Solving Influence Diagrams with Simple Propagation*, **Thirty-second Canadian Conference on Artificial Intelligence (AI)**, 68--79, 2019.
5. C. J. Butz, J. S. Oliveira, A. E. dos Santos, A. L. Teixeira, P. Poupart, A. Kalra, A*n Empirical Study of Methods for SPN Learning and Inference*, **Ninth International Conference on Probabilistic Graphical Models (PGM)**, 49--60, 2018.
6. A. L. Madsen, C. J. Butz, J. S. Oliveira, A. E. dos Santos, *Simple Propagation with*

Arc-Reversal in Bayesian Networks, **Ninth International Conference on Probabilistic Graphical Models (PGM)**, 260--271, 2018.

7. C. J. Butz, A. E. dos Santos, J. S. Oliveira, J. Stavrinides, *Efficient Examination of Soil Bacteria using Probabilistic Graphical Models*, **Thirty-first International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems**, 315--326, 2018.

8. C. J. Butz, J. S. Oliveira, A. E. dos Santos, *On Learning the Structure of Sum-Product Networks*, **IEEE Symposium Series on Computational Intelligence**, 2997--3004, 2017.

9. A. E. dos Santos, C. J. Butz, J. S. Oliveira, *On Converting Sum-Product Networks into Bayesian Networks*, **Thirtieth Canadian Conference on Artificial Intelligence (AI)**, 329--334, 2017.

10. J. S. Oliveira, C. J. Butz, A. E. dos Santos, *Resolving Inconsistencies of Scope Interpretations in Sum-Product Networks*, **Thirtieth Canadian Conference on Artificial Intelligence (AI)**, 303--315, 2017.

11. C. J. Butz, A. E. dos Santos, J. S. Oliveira, *On Finding Relevant Variables in Discrete Bayesian Network Inference*, **Thirtieth International Florida Artificial Intelligence Research Society Conference (FLAIRS)**, 730--735, 2017.

12. C. J. Butz, A. E. dos Santos, J. S. Oliveira, *Relevant Path Separation: A Faster Method for Testing Independencies in Bayesian Networks*, **Eighth International Conference on Probabilistic Graphical Models (PGM)**, 74--85, 2016.

13. C. J. Butz, J. S. Oliveira, A. E. dos Santos, A. L. Madsen, *On Bayesian Network Inference with Simple Propagation*, **Eighth International Conference on Probabilistic Graphical Models** (PGM), 62 -- 73, 2016.

14. C. J. Butz, A. E. dos Santos, J. S. Oliveira, C. Gonzales, *A Simple Method for Testing Independencies in Bayesian Networks*, **Twenty-ninth Canadian Conference on Artificial Intelligence (AI)**, 213--223, 2016.

15. A. L. Madsen, C. J. Butz, J. S. Oliveira, A. E. dos Santos, *On Tree Structures used by Simple Propagation for Bayesian Networks Inference*, **Twenty-ninth Canadian Conference on Artificial Intelligence (AI)**, 207--212, 2016.

16. C. J. Butz, J. S. Oliveira, A. E. dos Santos, A. L. Madsen, *Bayesian Network Inference with Simple Propagation*, **Twenty-ninth International Florida Artificial Intelligence Research Society Conference (FLAIRS)**, 650 -- 655, 2016.

17. C. J. Butz, A. E. dos Santos, J. S. Oliveira, C. Gonzales, *Testing Independencies in Bayesian Networks with i-Separation*, **Twenty-ninth International Florida Artificial Intelligence Research Society Conference (FLAIRS)**, 644 -- 649, 2016.

18. C. J. Butz, J. S. Oliveira, A. E. dos Santos, *Darwinian Networks*, **Twenty-eighth Canadian Conference on Artificial Intelligence (AI)**, 16--29, 2015.

19. C. J. Butz, J. S. Oliveira, A. E. dos Santos, *Determining Good Elimination Orderings with Darwinian Networks*, **Twenty-eighth International Florida Artificial Intelligence Research Society Conference (FLAIRS)**, 600 -- 603, 2015.

EXPERIENCE

2019 **Computer Science Department - University of Regina,** Canada — *University Teaching Fellowship CS310 Discrete Computational Structures - Sessional Lecturer*

2015
2019 **Computer Science Department - University of Regina,** Canada — *Graduate Teaching Assistant CS110, CS215, C210 - Lab instructor, Marker*

2015
2019 **Audio Visual Services - University of Regina,** Canada — *Casual clerk*

2015 **Audio Visual Services - University of Regina,** Canada — *Distant education broadcasting operator*

2013 **Audio Visual Services - University of Regina,** Canada — *Co-op placement*

2011
2012 **Guhring Brasil Ferramentas LTDA,** Brazil — *Logistic assistant*

VOLUNTEER/COMMUNITY

2018
2019 **University of Regina Jiu Jitsu Club** – *President*

2018 **University of Regina Jiu Jitsu Club** – *Logo creator*

2017
2018 **University of Regina Jiu Jitsu Club** – *Treasurer*

2015
2016 **Brazilian Students Association of University of Regina** – *Treasurer*

2016 **RPIRG The Green Patch Garden** – *Logo creator*

2010 **UDESC Introduction to Computers for the Elderly and Adults (Voo Livre Project)** –
Instructor