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University of Regina Regina, Canada 2016 - Present

Ph.D. of Science Student in Computer Science

Supervisor Dr. Cory Butz

Study emphasis Deep Learning & Probabilistic Graphical Models

MASTER OF SCIENCE IN COMPUTER SCIENCE

2015 - 2016

Supervisor Dr. Cory Butz

Study emphasis Probabilistic Graphical Models

Graduate grade point average 92.8

University of Santa Catarina State Joinville, Brazil

BACHELOR OF INDUSTRIAL SYSTEM ENGINEERING

2009 - 2014

SENAI Joinville, Brazil

INDUSTRIAL TRAINING COURSE - ELECTRICIAN

2007

Experience

Computer Science Department - University of Regina Regina, Canada

SESSIONAL LECTURER

CS330 Introduction to Operating Systems Winter 2020 CS115 Object-Oriented Design Winter 2020 CS310 Discrete Computational Structures Fall 2019

GUEST LECTURER

CS875 Database Systems Fall 2018 CS838 Uncertain Reasoning in Al Spring 2017

LAB INSTRUCTOR & MARKER

CS210 Data Structures and Abstractions 2019 - Present CS215 Web and Database Programming 2018 CS110 Programming and Problem Solving 2015 - 2019

Audio Visual Services - University of Regina

Regina, Canada CLERICAL CLERK 2015 - 2019 DISTANT EDUCATION BROADCASTING OPERATOR Winter 2016 CO-OP PLACEMENT Fall 2013

Guhring Brasil Ferramentas LTDA

LOGISTIC ANALYST 2011 - 2012

Skills

Artificial Intelligence | Machine Learning | Industry 4.0 | Web Development | Engineering Bayesian Networks Join Tree Propagation Python C++ R JavaScript PHP

Joinville, Brazil

Publications

Refereed Conference Papers

- 1. C. J. Butz, J. S. Oliveira, A. E. dos Santos, and A. L. Teixeira. Deep convolutional sum-product networks. In *Thirty-Third AAAI Conference on Artificial Intelligence (AAAI)*, 2019
- 2. C. Butz, A. L. Teixeira, A. E. Dos Santos, and J. S. Oliveira. On the tree structure of deep convolutional sumproduct networks. In *Thirty-Second International Florida Artificial Intelligence Research Society Conference (FLAIRS)*, pages 500–503, 2019
- 3. C. J. Butz, A. E. dos Santos, J. S. Oliveira, and A. L. Madsen. Exploiting symmetry of independence in d-separation. In *Thirty-second Canadian Conference on Artificial Intelligence (AI)*, pages 42–54, 2019
- 4. A. L. Madsen, C. J. Butz, J. Oliveira, and A. E. dos Santos. Solving influence diagrams with simple propagation. In *Thirty-second Canadian Conference on Artificial Intelligence (AI)*, pages 68–79, 2019
- 5. C. J. Butz, J. S. Oliveira, A. E. dos Santos, and A. L. Madsen. An empirical study of Bayesian network inference with simple propagation. *International Journal of Approximate Reasoning (IJAR)*, 92:198–211, 2018
- 6. A. L. Madsen, C. J. Butz, J. S. Oliveira, and A. E. dos Santos. Simple propagation with arc-reversal in bayesian networks. In *Ninth International Conference on Probabilistic Graphical Models (PGM)*, 2018
- 7. C. J. Butz, A. E. dos Santos, J. S. Oliveira, and J. Stavrinides. Efficient examination of soil bacteria using probabilistic graphical models. In *Thirty-first International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems*, pages 315–326, 2018
- 8. C. J. Butz, J. S. Oliveira, and A. E. dos Santos. On learning the structure of sum-product networks. In 2017 IEEE Symposium Series on Computational Intelligence (SSCI), pages 1–8, 2017
- 9. A. E. dos Santos, C. J. Butz, and J. S. Oliveira. On converting sum-product networks into bayesian networks. In *Thirtieth Canadian Conference on Artificial Intelligence (AI)*, pages 329–334, 2017
- 10. J. S. Oliveira, C. J. Butz, and A. E. dos Santos. Resolving inconsistencies of scope interpretations in sumproduct networks. In *Thirtieth Canadian Conference on Artificial Intelligence (AI)*, pages 305–315, 2017
- 11. C. J. Butz, A. E. Dos Santos, and J. S. Oliveira. On finding relevant variables in discrete bayesian network inference. In *Thirtieth International Florida Artificial Intelligence Research Society Conference (FLAIRS)*, pages 730–735, 2017
- 12. C. J. Butz, A. E. dos Santos, and J. S. Oliveira. Relevant path separation: A faster method for testing independencies in bayesian networks. In *Eighth International Conference on Probabilistic Graphical Models (PGM)*, pages 74–85, 2016
- 13. C. J. Butz, J. S. Oliveira, A. E. dos Santos, and A. L. Madsen. Bayesian network inference with simple propagation. In *Twenty-ninth International Florida Artificial Intelligence Research Society Conference (FLAIRS)*, pages 650–655, 2016
- 14. C. J. Butz, A. E. dos Santos, J. S. Oliveira, and C. Gonzales. On a simple method for testing independencies in bayesian networks. *Computational Intelligence (CI)*, 34(3):789–801, 2017
- 15. A. L. Madsen, C. J. Butz, J. S. Oliveira, and A. E. dos Santos. On tree structures used by simple propagation. In *Twenty-ninth Canadian Conference on Artificial Intelligence (AI)*, pages 207–212, 2016
- 16. C. J. Butz, J. S. Oliveira, A. E. dos Santos, and A. L. Madsen. Bayesian network inference with simple propagation. In *Twenty-ninth International Florida Artificial Intelligence Research Society Conference (FLAIRS)*, pages 650–655, 2016
- 17. C. J. Butz, J. S. Oliveira, A. E. dos Santos, and A. L. Madsen. Testing independencies in bayesian networks with i-separation. In *Twenty-ninth International Florida Artificial Intelligence Research Society Conference (FLAIRS)*, pages 644–649, 2016
- 18. C. Butz, J. Oliveira, and A. dos Santos. Darwinian networks. In *Twenty-eighth Canadian Conference on Artificial Intelligence (AI)*, pages 16–29, 2015
- 19. C. J. Butz, J. S. Oliveira, and A. E. dos Santos. Determining good elimination orderings with Darwinian networks. In *Twenty-eighth International Florida Artificial Intelligence Research Society Conference (FLAIRS)*, pages 600–603, 2015

Papers in Refereed Journals

- 1. C. J. Butz, J. S. Oliveira, A. E. dos Santos, and A. L. Madsen. An empirical study of Bayesian network inference with simple propagation. *International Journal of Approximate Reasoning (IJAR)*, 92:198–211, 2018
- 2. C. J. Butz, A. E. dos Santos, J. S. Oliveira, and C. Gonzales. An empirical study of testing independencies in bayesian networks using rp-separation. *International Journal of Approximate Reasoning (IJAR)*, 92:270–278, 2018
- 3. C. J. Butz, A. E. dos Santos, J. S. Oliveira, and C. Gonzales. On a simple method for testing independencies in bayesian networks. *Computational Intelligence (CI)*, 34(3):789–801, 2017
- 4. C. J. Butz, J. S. Oliveira, and A. E. dos Santos. On Darwinian networks. *Computational Intelligence (CI)*, 33(4):629–655, 2017
- 5. A. E. dos Santos, A. T. Bringhenti, J. I. Zimmermann, G. O. Verran, R. K. Scalice, and D. Bond. Proposal and evaluation of a selection procedure for cast parts. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 39(8):3151–3163, 2017

Service _

2019	Secretary, University of Regina Jiu Jitsu Club	Regina, Canada
2019	President, Brazilian Student Association (BRASA)	Regina, Canada
2018	Treasurer , University of Regina Jiu Jitsu Club	Regina, Canada
2018	Treasurer, Brazilian Student Association (BRASA)	Regina, Canada
2018	Logo & Website creator , University of Regina Jiu Jitsu Club	Regina, Canada
2017	President , University of Regina Jiu Jitsu Club	Regina, Canada
2017	President, Brazilian Student Association (BRASA)	Regina, Canada
2016	Treasurer , University of Regina Jiu Jitsu Club	Regina, Canada
2016	Logo creator , RPIRG The Green Patch Garden	Regina, Canada
2010	Introduction to Computers for the Elderly and Adults , University of Santa Catarina State	Joinville, Brazil

Awards

University of Regina

Regina, Canada

GRADUATE STUDIES RESEARCH FELLOWSHIP (GRF)

\$22,623.38 2016 - Present

SCHOLARLY AWARDS

University of Santa Catarina State

Joinville, Brazil

SCIENCE WITHOUT BORDERS SWG/CANADACBIE

\$65,023.41 BRL 2013

Languages _

EnglishAdvanced Professional ProficiencyPortugueseFunctionally Native ProficiencySpanishConversational ProficiencyFrenchElementary Proficiency

About

Brazilian, 27 years old 3^{rn} kyu (light blue belt) in Shorinji Kan Jiu Jitsu Cartoon website https://evahqs.tumblr.com/

References

- [1] C. Butz, J. Oliveira, and A. dos Santos. Darwinian networks. In Twenty-eighth Canadian Conference on Artificial Intelligence (AI), pages 16–29, 2015.
- [2] C. Butz, A. L. Teixeira, A. E. Dos Santos, and J. S. Oliveira. On the tree structure of deep convolutional sum-product networks. In Thirty-Second International Florida Artificial Intelligence Research Society Conference (FLAIRS), pages 500–503, 2019.
- [3] C. J. Butz, A. E. dos Santos, and J. S. Oliveira. Relevant path separation: A faster method for testing independencies in bayesian networks. In Eighth International Conference on Probabilistic Graphical Models (PGM), pages 74–85, 2016.
- [4] C. J. Butz, A. E. Dos Santos, and J. S. Oliveira. On finding relevant variables in discrete bayesian network inference. In Thirtieth International Florida Artificial Intelligence Research Society Conference (FLAIRS), pages 730–735, 2017.
- [5] C. J. Butz, A. E. dos Santos, J. S. Oliveira, and C. Gonzales. On a simple method for testing independencies in bayesian networks. Computational Intelligence (CI), 34(3):789–801, 2017.
- [6] C. J. Butz, A. E. dos Santos, J. S. Oliveira, and C. Gonzales. An empirical study of testing independencies in bayesian networks using rp-separation. International Journal of Approximate Reasoning (IJAR), 92:270–278, 2018.
- [7] C. J. Butz, A. E. dos Santos, J. S. Oliveira, and A. L. Madsen. Exploiting symmetry of independence in d-separation. In Thirty-second Canadian Conference on Artificial Intelligence (AI), pages 42–54, 2019.
- [8] C. J. Butz, A. E. dos Santos, J. S. Oliveira, and J. Stavrinides. Efficient examination of soil bacteria using probabilistic graphical models. In Thirty-first International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems, pages 315–326, 2018.
- [9] C. J. Butz, J. S. Oliveira, and A. E. dos Santos. Determining good elimination orderings with Darwinian networks. In Twenty-eighth International Florida Artificial Intelligence Research Society Conference (FLAIRS), pages 600–603, 2015.
- [10] C. J. Butz, J. S. Oliveira, and A. E. dos Santos. On Darwinian networks. Computational Intelligence (CI), 33(4):629–655, 2017.
- [11] C. J. Butz, J. S. Oliveira, and A. E. dos Santos. On learning the structure of sum-product networks. In 2017 IEEE Symposium Series on Computational Intelligence (SSCI), pages 1–8, 2017.
- [12] C. J. Butz, J. S. Oliveira, A. E. dos Santos, and A. L. Madsen. Bayesian network inference with simple propagation. In Twenty-ninth International Florida Artificial Intelligence Research Society Conference (FLAIRS), pages 650–655, 2016.
- [13] C. J. Butz, J. S. Oliveira, A. E. dos Santos, and A. L. Madsen. Testing independencies in bayesian networks with i-separation. In Twenty-ninth International Florida Artificial Intelligence Research Society Conference (FLAIRS), pages 644–649, 2016.
- [14] C. J. Butz, J. S. Oliveira, A. E. dos Santos, and A. L. Madsen. An empirical study of Bayesian network inference with simple propagation. International Journal of Approximate Reasoning (IJAR), 92:198–211, 2018.
- [15] C. J. Butz, J. S. Oliveira, A. E. dos Santos, and A. L. Teixeira. Deep convolutional sum-product networks. In Thirty-Third AAAI Conference on Artificial Intelligence (AAAI), 2019.
- [16] A. E. dos Santos, A. T. Bringhenti, J. I. Zimmermann, G. O. Verran, R. K. Scalice, and D. Bond. Proposal and evaluation of a selection procedure for cast parts. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 39(8):3151–3163, 2017.

- [17] A. E. dos Santos, C. J. Butz, and J. S. Oliveira. On converting sum-product networks into bayesian networks. In Thirtieth Canadian Conference on Artificial Intelligence (AI), pages 329–334, 2017.
- [18] A. L. Madsen, C. J. Butz, J. Oliveira, and A. E. dos Santos. Solving influence diagrams with simple propagation. In Thirty-second Canadian Conference on Artificial Intelligence (AI), pages 68–79, 2019.
- [19] A. L. Madsen, C. J. Butz, J. S. Oliveira, and A. E. dos Santos. On tree structures used by simple propagation. In Twenty-ninth Canadian Conference on Artificial Intelligence (AI), pages 207–212, 2016.
- [20] A. L. Madsen, C. J. Butz, J. S. Oliveira, and A. E. dos Santos. Simple propagation with arcreversal in bayesian networks. In Ninth International Conference on Probabilistic Graphical Models (PGM), 2018.
- [21] J. S. Oliveira, C. J. Butz, and A. E. dos Santos. Resolving inconsistencies of scope interpretations in sum-product networks. In Thirtieth Canadian Conference on Artificial Intelligence (AI), pages 305–315, 2017.