Thiago Bell

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Education

2018-present **Master's Degree in Computer Science**.
University of Bonn, Bonn

2013-2017 **Bachelor's Degree in Computer Science**.
Federal University of Rio Grande do Sul, Porto Alegre, Brazil
- Ranked 3rd in graduating class of 23 with final average grade of 8.39 out of 10
- Bachelor thesis named Applying Bandit Algorithms to the Route Choice Problem evaluated the performance of Multi-Armed Bandit reinforcement learning algorithms when applied to a traffic assignment problem
- Admitted to University through college entrance exam ranking first among computer science candidates

2015–2016 **Exchange year**.
Technical University Munich, Munich

Other Activities

08/17–11/17 **Research Activity**.
Continuing research on the topic of bachelor's thesis resulting in the submission of a conference paper

08/13–7/15 **Student Research Assistant**.
under supervision of Dr. Ana L. C. Bazzan,
Federal University of Rio Grande do Sul.
Resulted in publications included in the respective section of this document. Working on:
- social choice methods applied to distributed machine learning;
- traffic information extraction from tweet-like texts;
- multi-agent reinforcement learning and genetic algorithms applied to the traffic assignment problem.

Scholarships

10/15–7/16 **Exchange Scholarship**.
Erasmus Smart2 (em-smart2.eu)

08/14–7/15 **Research Scholarship**.
Scientific Initiation Scholarship - CNPq (cnpq.br)

08/13–7/14 **Research Scholarship**.
Technological Initiation Scholarship - CNPq (cnpq.br)

Languages

Portuguese	**Native**	
English	**Fluent**	*C2 level. Grade A on Cambridge English: Proficiency (CPE) certification*
German	**Basic**	

Interests

networks and distributed systems

artificial intelligence

machine learning

parallel programming

Publications

Jorge L. Aching., Thiago B. F. de Oliveira, and Ana L. C. Bazzan. Traffic information extraction from a blogging platform using a bootstrapped named entity recognition approach. In *Computational Intelligence in Vehicles and Transportation Systems (CIVTS), 2014 IEEE Symposium on*, pages 6–13, Orlando, 2014. IEEE.

Thiago B. F. Oliveira, Ana L. C. Silva Bazzan, Bruno C. da, and Ricardo Grunitzki. Comparing multi-armed bandit algorithms and q-learning for multiagent action selection: a case study in route choice. In *The 2018 International Joint Conference on Neural Networks (IJCNN)*, 2018.

Thiago B. F. Oliveira, Bruno C. da Silva, Stefanello F., Arthur Zachow, and Ana L. C. Bazzan. Extending a coupling metric for characterization of traffic networks: an application to the route choice problem. In *Proc. of the 11th Workshop-School on Agents, Enviroments, and Applications (WESAAC 2017)*, São Paulo, May 2017.

Alejandro Ruiz-Padillo, Thiago BF de Oliveira, Matheus Alves, Ana LC Bazzan, and Diego P Ruiz. Social choice functions: A tool for ranking variables involved in action plans against road noise. *Journal of environmental management*, 178:1–10, 2016.

References

Dr. Ana L. C. Bazzan, *Professor of Computer Science*, Federal University of Rio Grande do Sul, `http://inf.ufrgs.br/~bazzan`.
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