

PEDRO TABACOF

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EDUCATION

Master's, Electrical Engineering 2015-present
FEEC, State University of Campinas (Unicamp), Brazil
GPA: 4.0/4.0

Bachelor of Science, Computer Engineering 2008-2013
Unicamp, Brazil
Graduated with distinction (top 10% of the class)

International experience

University exchange student	Bishop's University, QC, Canada	2010
High school exchange student	Coon Rapids High School, MN, USA	2006

PROFESSIONAL EXPERIENCE

R&D engineer I.Systems Industrial Automation SA 2013-present
Managed three research interns. Participated to advanced control deployments. Researched and developed modules for stochastic process control, regression analysis of industrial data, advanced regulatory control. Embedded a Lua based scripting language to the control system. Worked on a government sponsored project (FINEP) on industrial data visualization.

Internship I.Systems Industrial Automation SA 2012-2013
Developed a dynamic simulator of industrial processes using system identification and optimization.

ACADEMIC EXPERIENCE

Academic internship ČVUT v Praze, Czech Republic 2012
Non-profit activities at the department of electrotechnology. Developed a photovoltaic cell simulator with a graphical user interface.

Undergraduate research LSC, IC, Unicamp 2010-2011
Worked on a multi-core cryptographic microprocessor under supervision of prof. Guido Araújo. Project funded by Fapti.

Teaching assistant IC, Unicamp
Data Structures (MC202). 2016
Algorithms and Computer Programming (MC102) 2009-2010

COMPUTER SKILLS

Languages: C/C++, Python, Lua, MATLAB, R, SQL, JavaScript
Frameworks: Torch7, Theano, Scikit-learn, PyMC, Stan, CUDA
Miscellaneous: Excel, Git, L^AT_EX

PUBLICATIONS

Pedro Tabacof and Eduardo Valle. Exploring the space of adversarial images. *Accepted to the IEEE International Joint Conference on Neural Networks*, 2016.

Alan Godoy, Pedro Tabacof, Fernando J. Von Zuben. The role of the interaction network in the

emergence of diversity of behavior. *Submitted to the Journal of Artificial Intelligence Research*, 2016.

Pedro Tabacof, Tim Busbice, and Stephen D. Larson. Beyond the connectome hairball: Rational visualizations and analysis of the *C. elegans* connectome as a network graph using hive plots. *Frontiers in Neuroinformatics*, 20:55–65, 2013.

CERTIFICATIONS

Machine Learning Summer School, UT Austin, 2015.

Green Belt Six Sigma, EDTI Campinas, 2014.

Graduate studies on Automation and Intelligent Systems, FEEC, 2013.

LANGUAGES

Native: Portuguese

Fluent: English

Last updated: April 6, 2016