

Rafael Gonçalves de Lima

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ACADEMIC DEGREES

Bachelor in Electrical Engineering, 2010-2014
Emphasis: Control Systems
Universidade Federal da Bahia (UFBA), Salvador/BA - Brazil
with Exchange Studies 2012-2013
Dept. of Electrical Engineering, POSTECH, Pohang - Republic of Korea
M.S. in Computer Science and Engineering 2015-2017
School of Electrical and Computer Engineering, UNIST, Ulsan - Republic of Korea

SELECTED WORK EXPERIENCE

R&D Specialist 06/2019-Present
Samsung R&D Institute Brazil (SRBR), Campinas-SP, Brazil
• Data collection, cleansing and analysis for software improvements;
• Elaboration of metadata files and technical reports;
• Implementation of state-of-the-art denoising techniques.
Data Engineer (Support for Data Production) 01/2019-05/2019
Center for Integration of Data and Knowledge for Health (CIDACS), FIOCRUZ, Brazil
• Analysis of large databases for research projects in Epidemiology and Public Health;
• Data Conversion, Standardization and Cleansing for Data Lake, Code Review;
• Elaboration of Technical Reports and Data Dictionaries, Seminar Attendance;
Visiting Fellowship 09/2018-12/2018
Max Planck Institute for Software Systems (MPI-SWS), Germany
• Conceptual development and experiments on Kullback-Leibler Control of Continuous-Time Markov Chains.
Summer Internship 07/2013-08/2013
KR - Korean Register of Shipping, Survey Team, Busan - Republic of Korea
• Completed a 7-week Summer Internship collaborating on the revision of regulating norms for construction and operation of ships and also visiting subcontractors.
Winter Internship 01/2013-02/2013
Hyundai Rotem, *Outfitting Production Eng. Team*, Changwon - Republic of Korea
• Completed a 5-week internship collaborating on projects of rolling stocks wirings, reviewing wiring lists and visiting subcontractors, besides elaborating and presenting a comprehensive guide of current brazilian railways' projects.

PUBLICATIONS *“Implementation of End-to-End Training of Deep Visuomotor Policies for Manipulation of a Robotic Arm of Baxter Research Robot”*

(S. KIM, S.-A KIM, R.LIMA, J.CHOI) 01/2019
Journal Paper (in Korean)
 Journal of Korea Robotics Society Vol.14 No.1 pp.40-49

“Automatic Decomposition of Self-Triggering Kernels of Hawkes processes”
 (LIMA, R.; CHOI, J.) 11/2017
Conference Paper
 PACS 2017
(International Symposium for Perception, Action and Cognitive Systems - Seoul/Republic of Korea)

“Improving Imprecise Compressive Sensing Models”
 (LEE, D.; LIMA, R.; CHOI, J.) 06/2016
Conference Paper
 UAI 2016 (*Association for Uncertainty in Artificial Intelligence - New York/USA*)

“Self-adjustable Robustness Filter for Dead-time Processes”
 (LIMA, R.G.; SANTOS, T.L.M.) 10/2015
Conference Paper (in Portuguese)
 SBAI 2015 (*Brazilian Symposium on Intelligent Automation - Natal/RN - Brazil*)

EVENTS

Workshop 08/2018
Dynamical Systems and Related Topics (ICM 2018 - Satellite Meeting)
 UFBA, Salvador - Brazil

Conference 11/2017
9th Asian Conference on Machine Learning (ACML 2017)
 Yonsei University, Seoul - Republic of Korea

Symposium 11/2017
2017 International Symposium on Perception, Action, and Cognitive Systems (PACS 2017)
 Seoul National University, Seoul - Republic of Korea

Symposium 06/2016
The First Korea-Japan Machine Learning Symposium
 Organized by Machine Learning Center (MLC), Seoul - Republic of Korea

Conference 05/2014
ISSNIP Biosignals and Biorobotics Conference: Biosignals and Robotics for Better and Safer Living (BRC)
 IEEE (Institute of Electrical and Electronics Engineers), Salvador/BA - Brazil

COMPUTER SKILLS

Python (Tensorflow/Keras), C++, Matlab, LaTeX, Beamer, SQL, Scrum, Git

IDIOMS

Portuguese (native), English (fluent/8.0 IELTS Score), French (intermediate), Korean (basic), German (basic)