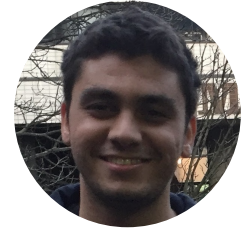


Arnaldo Gualberto de Andrade e Silva

Computer Scientist

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João Pessoa/PB, Brazil
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MSc in Informatics by the Federal University of Paraíba – UFPB. Currently working as a Machine Learning Engineer at Vsoft Tecnologia, a company focused on biometrics and traffic surveillance. I'm also a Google Developer Expert on Machine Learning. As an individual, you'll find me creative, organized and naturally passionate. I'm a forward thinker, which others may find inspiring when working as a team. Moreover, I have a love of clean, well-designed and easy-to-use code.

Education

2014-2015 Master in Science in Informatics Degree, Federal University of Paraíba, Brazil
2009-2014 Computer Science Bachelor Degree, Federal University of Paraíba, Brazil

Professional Experiences

- April/2017 Today** | **R&D, Machine Learning Engineer, Vsoft Tecnologia**
My work involves the creation and improvement of solutions by application of Machine Learning and Deep Learning techniques. Since I have started working here, I have already finished more than 10 projects, including fingerprint classifiers and face/traffic signs detectors
- October/2018 Today** | **Developer Expert on Machine Learning, Google, Brazil**
The Experts Program title recognizes the outstanding developers who exhibit great expertise in one or more Google technologies and share it with the developer community. Experts are leaders, mentors, and evangelists; They drive community projects and present at large and small events; They are content creators such as tutorials, code samples, books, and blogs. These independent developers bring their real-world experience and knowledge of working with Google technologies to developer communities worldwide.

Awards

- 2014 Lâurea Acadêmica Award – 2nd place,**
Award granted to students who are graduated with best academic performance within the Bachelor in Computer Science Department. *Center of Informatics – CI – UFPB, João Pessoa, Brazil.*

Professional Skills

C/C++ ●●●●○ Mach. Learning ●●●●●
Python ●●●●● Deep Learning ●●●●○ OpenCV ●●●●●
Tensorflow ●●●●○

Papers

- 2018** Andrezza, I. L. P.; Primo, J. J. B.; Borges, E. V. C. L.; Silva, A. G. A.; Batista, L. V.; Gomes, H. M.. A Novel Fingerprint Quality Assessment Based on Gabor Filters. *In : SIBGRAPI 2018 - Conference on Graphics, Patterns and Images*, IEEE.
- 2017** Silva, A.; Silva, P.; Batista, L.; Gomes, H. A Novel Approach for Fingerprint Singularities Detection. *In : 2017 Workshop of Computer Vision (WVC)*, pp. 102-107. IEEE.
- 2017** da Cunha, L. M.; de Andrade, A. G.; do Rêgo, T. G.; Batista, L. V.. Abordagem passiva para reconhecimento de adulterações em imagens digitais através da análise do padrão CFA e do BAG. *In : Revista Brasileira de Computação Aplicada*, 9(3), 17-30. (In Portuguese).
- 2015** Silva, A. G. A.; Barbosa, I. A. M.; Nascimento, M. V. P.; Rego, T. G.; Batista, L. V.. Analysis of the Performance Improvement Obtained by a Genetic Algorithm-based Approach on a Hand Geometry Dataset. *In : Proceedings on the International Conference on Artificial Intelligence, (ICAI)*.
- 2015** Silva, A. G. A.; Junior, I. A.; Parente, R. L.; Batista, L. V.; Primo, J. J.; Marinho, A. S.; Alves, P.. Analysis of a Genetic Algorithm-based Approach in the Optimization of the SourceAFIS's Matching Algorithm. *In : Proceedings of the International Conference on Scientific Computing, (CSC)*.

- 2015 de Melo, M. C.; Gajadhar, A. A.; de Oliveira, H. N.; e Silva, A. G. D. A.; Batista, L. V.. Analysis of Shape-Based and Texture-Based Attributes in Classification of Mammographic Findings by Machine Learning Algorithms. *In : XV Workshop de Informática Médica, (XV WIM)*.
- 2014 De Oliveira, H. N.; e Silva, A. G. D. A.; Diniz, I. C.; Sampaio, G. B.; Batista, L. V.. Compression of Polysomnographic Signals Using the Discrete Cosine Transform and Deadzone Optimal Quantization. *In : The Tenth Advanced International Conference on Telecommunications, AICT 2014*.
- 2013 Silva, A.; Batista, L.. PalmPass : Biometric Recognition by Computational Analysis of Palmar Print. *In : IX Workshop de Visão Computacional, 2013, Rio de Janeiro, v. 1. p. 1-6, (In Portuguese)*.

Complementary Education

- 2018 *Neural Networks and Deep Learning*. Coursera.
- 2018 *Improving Deep Neural Networks : Hyperparameter tuning, Regularization and Optimization*. Coursera.
- 2018 *Structuring Machine Learning Projects*. Coursera.
- 2018 *Convolutional Neural Networks*. Coursera.
- 2018 *Sequence Models*. Coursera.
- 2018 *Deep Learning Brasil SummerSchool*. Federal University of Goiás.
- 2017 *Practical Course in Deep Neural Networks for Image Analysis*. State University of Campinas.
- 2017 *Machine Learning*. Udacity.
- 2016 *Intro to Machine Learning*. Udacity.
- 2016 *Intro to Inferential Statistics*. Udacity.
- 2016 *Intro to Descriptive Statistics*. Udacity.
- 2016 *Intro to Data Analysis*. Udacity.