

Résumé – José Gildo de Araújo Júnior

PERSONAL INFORMATIONS

Born in Alagoa Grande, Paraíba, Brazil in September 6, 1986.

Resident in Street Augusto de Almeida, 378, Flat 103.
District Novo, Guarabira.
Paraíba, PB 582000 BR

Mobil: +55 83 9 9690-4245
Email: zegildo@gmail.com
<http://www.zegildo.com/>

GOAL

Act as Data Scientist in the following areas:

- Data Mining;
- Stock Market Prediction;
- Blockchain and Cryptocurrency;
- Sentiment Analysis;
- Machine Learning;
- Natural Language Processing.

SUMMARY OF ACTIVITIES

Currently, I'm a Higher Education Professor at the [Administrative Council for Economic Defense \(CADE\)](#).

Between 2017 and 2020 I was a Higher Education Professor at the [Federal University of the Semi-Arid Region \(UFERSA\)](#).

Between 2016 and 2017 I was a Data Scientist in [Virtus](#) developing projects for [Hewlett-Packard \(HP\)](#). Also I was instructor and reviewer of Data Analysis course in [Udacity](#).

In 2014 I was a Higher Education Professor at the [Maurício de Nassau College](#). Also I developed a part of the [Interamerican Court of Human Rights](#) system.

In 2013 I obtained a Masters Degree in Computer Science at the [Federal University of Campina Grande \(UFCG\)](#) in Retrieval Information. Also in 2013 I worked as a Scrum Master for [Hewlett-Packard \(HP\)](#) and Brazilian Government in many analytics projects.

Between 2008-2009 and 2011-2012, I worked as a Systems Analyst in the [Accenture](#) where I developed projects to some companies like: [Tim](#), [Oi](#), [Vale](#).

Between 2009 and 2010 I attended a Master Degree [Instituto Tecnológico Ciudad Madero \(ITCM\)](#) - Mexico, where I was scholarship funded by [National Council of Science and Technology \(CONACYT\)](#).

At 2008 I obtained my Bachelor Degree in Computer Science at the [Federal University of Campina Grande \(UFCG\)](#).

SKILLS

Topics: Web Crawling, Data Science, Open Data, Predictive Models, Machine Learning, Sentiment Analysis, Agile Processes, Blockchain, Statistics;

Languages: Python, R, Solidity, Java, ShellScript, PL/SQL, JavaScript, HTML, UML, SPARQL, Remedy, IDL;

Databases: MongoDB, Oracle, Postgres, MySql;

Environments: Databricks, RStudio, IPython Notebook, Github, Eclipse, Sublime.

ACADEMIC
EDUCATION

Udacity.

Mountain View, California

Nanodegree, Blockchain Developer – 2021.

- Advisor: Nik Kalyani
- Area: Blockchain.

Federal University of Campina Grande - UFCG.

Campina Grande, Paraíba, Brazil

PhD, Computer Science – 2013, March - 2016, December.

- Title: *Predicting the B3 Index and Sectors by News Processing and its Impact on Social Medias*
- Advisor: Dr. Leandro Balby
- Area: Stock Market.

M.S.c, Computer Science – 2011, March - 2013, April.

- Title: *An Approach for Building Lexical-Semantic Resources Based on Heterogeneous Information Sources*
- Advisors: Dr. Ulrich Schiel and Dr. Leandro Balby
- Areas: Retrieval Information, Ontologies and Data Bases.

Instituto Tecnológico Ciudad Madero - ITCM.

Madero City, Tamaulipas, Mexico

M.S.c, Computer Science – 2009, August - 2010, August.

- Title: *Management Verbs in Natural Language Query Translation to SQL.*
- Advisors: Dr. Rodolfo Abraham Pazos Rangel and Dr. José Antonio Martínez Flores.
- Area: Natural Language Processing and Data Bases.

Universidade Federal de Campina Grande - UFCG.

Campina Grande, Paraíba, Brazil

B.S., Science Computer – 2008, December.

- Final Project: *Smart<TAGS>: Software for mapping objects from Earth geotagged images.*
- Advisor: Dr. Cláudio de Souza Baptista.
- Area: Geoprocessing.

PROFESSOR
EXPERIENCE

Federal University of the Semi-Arid Region (UFERSA)

Angicos, Rio Grande do Norte, Brazil.

[Full Professor]

2017, June - Currently

- Data Mining
- Data Structure
- Final Paper

Udacity

Mountain View, California, U.S.

[Instructor & Reviewer]

2016, August - 2017, June

- Data Analyst

Maurício de Nassau College
Campina Grande, Paraíba, Brazil.

[Full Professor]

2014, February - 2015, February

- Web Development
- Data Structure
- Artificial Intelligence

Instituto Tecnológico Ciudad Madero - ITCM.
Madero City, Tamaulipas, Mexico.

[Instructor]

2009, January - 2010, August

- Data Mining instructor.

Federal University of Campina Grande - UFCG.
Campina Grande, Paraíba, Brazil.

[Instructor]

2006, March - 2006, September

- Computer education to students from poor communities.

DATA SCIENTIST
AND ANALYST
EXPERIENCE

Virtus
Campina Grande, Paraíba, Brazil.

Scrum Master

2017, January - 2017, June

Project DAAS-Analytcs (Client → HP)

- **Brief Description:** Application of Machine Learning techniques for detecting anomalies in well-defined contexts.
- **Post:** Scrum Master and Developer.

Interamerican Court of Human Rights
Campina Grande, Paraíba, Brazil.

Analyst and Developer

2014, December - 2015, February

Project <CMS> (Client → Interamerican Court of Human Rights)

- **Brief Description:** CMS system.
- **Post:** Freelancer.

Hewlett Packard
Campina Grande, Paraíba, Brazil.

Scholarship HP

2013, May - 2013, December

Projeto <Frh-analytics Project> (Client → HP)

- **Brief Description:** Data Mining for Accountability.
- **MaisEdu**
- **Post:** Scrum Master and Coach.

Universidade Federal de Campina Grande - UFCG.
Campina Grande, Paraíba, Brazil.

Scholarship CAPES & CNPq

2011, March - 2013, February

Projeto <RISO-T> (Cliente → LSI)

- **Brief Description:** Semantic retrieval of textual objects.
- **Post:** Analyst and Developer.

Accenture >>>
Campina Grande - PB.

Analyst

2011, March - 2012, April

Phoenix Project (Client → TIM, Oi, Vale)

- **Brief Description:** System sales and process control.
- **Post:** Developer.

LANGUAGES

Spanish: Fluent.
Portuguese: Fluent.
English: Intermediate.

AWARDS

- *1st place in the selection process to attend Master in ITCM - 2009, Mexico.*

ACCREDITATION

- Araújo J.G.Jr and Leandro Balby. Using Online Economic News to Predict Trends in Brazilian Stock Market Sectors. In: the 24th Brazilian Symposium on Multimedia and the Web, 2018, Salvador. *Proceedings of the 24th Brazilian Symposium on Multimedia and the Web on - WebMedia '18. New York: ACM Press, 2018. v. 18. p. 37-44.*, August 2018.
- Araújo J.G.Jr and Leandro Balby. Exploiting Brazilian Economic News to Predict BM&FBOVESPA. In: Knowledge Discovery, Mining and Learning (KDMile), 2016, Recife. 4th Symposium on Knowledge Discovery, Mining and Learning (KDMile), 2016.
- Araújo J.G.Jr, Ulrich Schiel e Leandro Balby. An approach for building lexical-semantic resources based on heterogeneous information sources. *Proceedings of the 30th Annual ACM Symposium on Applied Computing (SAC'15)*, April 2015.
- Araújo J.G.Jr, Ulrich Schiel e Leandro Balby. Construção Automática de Tópicos Semânticos Baseada na Integração de Fontes Heterogêneas. *27th Simpósio Brasileiro de Bancos de Dados (SBB'D'12)*, October 2012.
- Araújo J.G.Jr, Alanis.M. Patricia, and Rodrigues, M. L. M. Lupita: Software Architecture for Virtual Characters on the Internet and Mobile devices. *Advances in Artificial Intelligence and Applications Research in Computing Science*, vol. 51, 2010, pgs. 165-171., August 2010.
- Igo Paulino, Amauri Fragoso de Medeiros, Araújo J.G.Jr, Ricardo Arlen Buriti, Hisao Takahashi. Estudo da Velocidade Zonal de Bolhas de Plasma Ionosféricas em Baixas Latitudes Usando o Imageamento do Airglow na Emissão do OI 6300 Å. *Simpósio Brasileiro de Geofísica Espacial e Aeronômica, 2006, São José dos Campos. Simpósio Brasileiro de Geofísica Espacial e Aeronômica, 2006. v. 1. p.18-18.*

REFERENCES

Dr. Guilherme Mendes Resende

★ *Dr. Guilherme was my superior in Administrative Council for Economic Defense.*

Dr. Leandro Balby Marinho

(e-mail: lbalby@gmail.com; phone: +55-083-2101-1122)

★ *Dr. Leandro Balby was my advisor in the PhD program.*

Dr. Ulrich Schiel

(e-mail: uschiel@gmail.com; phone: +55-083-3310-1119)

★ *Dr. Ulrich Schiel was my advisor.*