

# Curriculum vitae

## Personal information

Surname(s) / First name(s)

Address(es)

Telephone(s)

Email(s)

## Work experience

Aug 2017 – Present

2014

2011 – 2012

### Vieira, Adelo

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**For a more detailed CV, visit:**

<http://perso.sinfronteras.ws/index.php/CV>

### IDG Direct, Dublin

#### Business Development Executive

- Representing and branding IDG services by making professional outgoing calls to prospective clients (IT Professionals).
- I work in different markets and contact clients in French, English and Spanish: France, Belgium, Luxembourg, Spain, Middle East and Africa.
- Involved in research and building customer's interests in the services, and products available for IDG.
- Gathering and recording accurate client details, and maintaining/updating/completing databases for completing thorough updates and hand-overs with team member's/team leaders and contributing to projects, and process improvements.

### WikiVox, France

#### Web Programmer

- Installation and administration of a *Wiki Web Application*:
  - \* Extensive experience with the *MediaWiki Engine*:
    - Addition of different CAPTCHA methods.
    - Configuration of a Multilingual *Wiki*.
    - Addition of a payment gateway.
    - User access levels configuration.
    - Page categorization.
  - \* Take a look at my personal *wiki*: [http://perso.sinfronteras.ws/index.php/Computer\\_Science\\_and\\_IT](http://perso.sinfronteras.ws/index.php/Computer_Science_and_IT)
- Administration of a Linux web server.
  - \* Installation and configuration of LAMP stack: *Apache, MySQL, PHP*.
- Database management:
  - \* *MySQL, SQL scripting, PhpMyAdmin*.

### Simón Bolívar University - Funindes USB, Venezuela

#### Research geophysicist of the Parallel and Distributed Systems Group (GRyDs)

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[Click here to see some examples of my work in Seismic modelling.](#)

- *Shell scripts* programming for seismic data processing and modelling.
- Programming of Seismic Modelling/Processing Applications using *MATLAB and Scilab*
- Task automation using *Shell scripting*.
- Simulations of seismic waves propagation: wavefront and ray tracing.
- Generation of pre-stacked synthetic seismic data using wave propagation theories (ray tracing and finite difference methods).
- 2D/3D Seismic data processing.

2010 – 2011

**CGGVeritas, Venezuela**  
**Seismic data processing analyst**

- Demultiplexing, Reformatting (SEG-Y/SEG-D).
- Seismic data edition: searchin for noisy, monofrequency and incorrect polarities traces.
- Geometrical spreading correction. Set-up of field geometry.
- Geometry QC.
- Application of field statics corrections, Deconvolution, trace balancing.
- CMP sorting, Velocity analysis, Residual statics corrections.
- NMO Correction, Muting, Stacking, Filtering.
- Filtering: Time-variant, band-pass.
- Post-stack/Pre-stack time and depth migration.

2008 – 2010

**Simón Bolívar University, Venezuela**  
**Academic assistant - Earth Sciences Department**

**Courses taught:**

- **Seismic data processing:** Concepts of discrete signal analysis, sampling, aliasing and discrete Fourier transform. Conventional seismic data processing sequence.
- **Seismic methods:** The convolutional model of the seismic trace. Propagation and attenuation of seismic waves. Interpretation of seismic sections.
- **Seismic reservoir characterization:** Relations between the acoustic impedance and the petrophysical parameters. Well-Seismic Ties. Seismic inversion and AVO.

## Education

2019

**College of Computing Technology (CCT), Dublin**  
**Bachelor of Science in Information Technology (Level 7)**

- Final year project: Supervised Machine Learning Models for Fake News Detection.  
To know more about this project, visit [http://perso.sinfronteras.ws/index.php/Supervised\\_Machine\\_Learning\\_for\\_Fake\\_News\\_Detection](http://perso.sinfronteras.ws/index.php/Supervised_Machine_Learning_for_Fake_News_Detection)

2014

**Claude Bernard Lyon 1 University, France**  
**Master – Complementary computer studies (Level 8)**

- Specialty: Distributed information systems and networks.
- Final year study project: Design and Administration of a *Wiki Web Application*.

2011

**Simón Bolívar University, Venezuela**

## Programming and Software Development

## Data science

2007

### MSc in Earth sciences (Level 9)

- Specialty: Geosciences applied to petroleum.
- Master thesis project (Excellence Honor Mention): Study of *Pull up/Push down* effects through seismic modelling, colombian plains.

### Simón Bolívar University, Venezuela

#### Geophysical Engineer (Level 8)

- Specialty: Geosciences applied to petroleum.
- Bachelor thesis project: Basic modelling of pre-stacked seismic data and its processing sequence, using *Seismic Unix package*.

#### – Some of the languages I've worked with:

\* *JAVA (GUI/Swing Programming), R Programming, Python, Shell Scripting, C, Matlab, Scilab, L<sup>A</sup>T<sub>E</sub>X.*

#### – Object-Oriented Concepts and Constructs: Excellent academic level and clear understanding of the most important Object-Oriented Principles and Concepts, such as:

\* Encapsulation, Inheritance, Polymorphism, Abstraction, Upcasting - Downcasting, Composition, Threads etc.

\* **Design Patterns:** Singleton, Factory, Abstract Factory, Builder, Adapter, Facade, Proxy, Decorator, Observer, Data Access, etc.

#### – Data Structures & Algorithms: Stack, Queue, Array, List, Linked List, Linear and binary search, Sorting, etc.

#### – Web Development:

\* I have developed Web Applications (academic projects) using different technology:

<http://37.59.121.119>: This Application was developed using:

- Back-end: Node.js (Express.js framework) (TypeScript)
- Front-end: React (TypeScript)

\* Some of the Web developed technologies I have worked with are:

- HTML, CSS
- PHP
- JavaScript - TypeScript:
  - HTTP REST APIs with Node.js (Express.js framework)
  - React

- Data Mining
- Machine Learning
- Text Classification
- Sentiment Analysis

- R Programming
- RapidMiner
- Python for Data Science

## Databases

- Database design.
- RDBMS:
  - \* *MySQL*
  - \* *PostgreSQL*
- SQL Queries.
- SQL PSM: Stored Procedures, Stored Functions, Triggers, Events, Cursors, Transactions.
- GUI DB administration tools:
  - \* Workbench
  - \* PhpMyAdmin
  - \* SQLectron

## Linux

- Advanced experience with the most popular flavors of Linux: Debian, Ubuntu, Red Hat, CentOS.
- **Administration of LAMP stack:** *Apache, MySQL, PHP.*
- **Shell scripting.**
- Installation and Post-installation configurations.
- Users and Groups Administration.
- Modify File Permissions.
- Managing Processes.
- Backups.
- Network File System (NFS).
- Communications with remote Linux computers: *SSH* client and server.

## Publications

*Alejandro Gutiérrez, Evert Durán, Adelo Vieira and Crelia Padrón.* Estimation and modelling of reservoirs properties through seismic attributes and geostatistics in gas fields, southern Spain. SOVG, XIV Venezuelan Geophysics Congress, **2008**.

[↓ Download](#)

## Languages

Mother tongue(s)

Other language(s)

*Self-assessment*  
*European level<sup>(\*)</sup>*

**English** (Fluent):

**French** (Fluent):

**Portuguese** (Intermediate):

## Spanish

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C1	Proficient user	B2	Independent user	B1	Independent user	B1	Independent user	A2	Basic user

<sup>(\*)</sup> *Common European Framework of Reference (CEF) level*

## Interests and other activities

- **Member of the water polo team at Simón Bolívar University:** Attendance at 5 national university games.
- Swimming instructor at U.E.U.S.B school.
- Open-source software, Programming.
- Travel, Volleyball, Open Water Swimming.