FERNANDO VÉLIZ

PERSONAL INFO

- Marital status: single
- Birth date: May 6th, 1986
- Birth place: Buenos Aires, Argentina
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EDUCATION

- **University of Buenos Aires, Master in Data Mining and Knowledge Discovery (thesis pending)**   **2018 – 2021**
  - ➢ **Average mark: 8.2/10**
- University of Buenos Aires, B. Ed in Sociology   2017 – 2018
- University of Buenos Aires, BS in Economics (unfinished - 19 courses approved)   2012 – 2015
  - ➢ Average mark: 8/10
- **University of Buenos Aires, BA in Sociology**   **2005 – 2011**
  - ➢ **Average mark: 7,72/10**
- E. T. Nº 3: María Sánchez de Thompson, Computer Technician (Secondary studies)   1999 – 2004
  - ➢ Average mark: 8/10

WORK EXPERIENCE

- **Prisma Medios de Pago SA**   **Apr 2018 – Now**
  - ✓ **Data Risk team - IT Lead: technical leader of a multidisciplinary team, including data scientists, BI analysts and data engineers for the development of descriptive and predictive analytics for the risk area   Jun 2023 - Now**
  - ✓ **Development of predictive models with machine learning in R and Python for the financial industry. Together with my team, we developed, amongst others:**
    - **Models for credit cards and debit cards fraud detection**
    - **Model for credit card default detection**
    - **Churn model for prediction of merchants that will stop operating in our acquiring system**
    - **Models for predicting the expected transactions of a new POS terminal for both existing and new merchants**
    - **Recommender System for merchants (Retail and Services)**
  - ✓ **Building of a dashboard for benchmarking of models in production**
  - ✓ **Training of several areas of the company regarding big data and machine learning. Models presentation for non-specialized audiences.**

- **ITBA (Instituto Tecnológico de Buenos Aires)**   **Ago 2023 - Now**
  - ✓ **Advanced Predictive Analysis: professor**

- Groupon Argentina   Sep 2015 – March 2018
  - ✓ Business Intelligence analyst: design, administration and analysis of reports for Planning – Local and Goods lines of business. Database processing with Teradata and report automation with VBA for Excel, IMacros and Pentaho. Achievements:
    - Development of tools for controlling available and real stocks, for the whole warehouse and for pickups.
    - Development of tools for automation of the uploading of contracts in Salesforce.
    - Enhancement of processes in all areas of Goods line of business: logistics, comercial, planning, operations and pickup points.

- RS Contact SRL   Jun 2013 – Ago 2015

- ✓ Reporting Analyst: data processing with Access and Excel (with macros programming in VBA) and reporting for several companies of the automotive industry (Citroën, Volkswagen, Iveco, Honda, ADEFA), regarding its evolution, the development of new products, analysis of the competition, etc.
  - ✓ Data processing with SPSS and reporting for the market investigation area.

- Analogías SRL - Investigación y Desarrollo   Jan 2013 – Ago 2013
  - ✓ Quantitative analyst: field coordination, data processing with SPSS and Excel and reporting in PowerPoint. Experience in political, socio-demographic and market surveys.

- National Protection and Social Security Survey (ENAPROSS), from the National Work Ministry, performed by OPSM consulting agency.
  - ✓ Survey taker, survey receptionist and survey editor   May 2011- Oct 2011

ACADEMIC EXPERIENCE

- Paper presentation: "The role of the State in the development of the Automotive Industry. An analysis of the Argentine case for the 1958-1983 period" in the VII Conference of Economics Social Studies, IDAES - University of San Martin Sep 2012
- Participation in the research group "Social change workshop", tutored by the Lic. Juan Carlos Marín
  - ✓ Survey taker, data processing, data analysis   Jul 2010 – Dec 2010

LANGUAGES

- ENGLISH
  - ✓ Certificate of Proficiency in English (CPE) – University of Cambridge (C2)   2004
  - ✓ Certificate in Advanced English (CAE) – University of Cambridge (C1)   2003
  - ✓ Certificate in English (FCE) – University of Cambridge (B2)   2002

- FRENCH
  - ✓ Alianza Francesa de Buenos Aires, advanced level 1 (B2)   2024

IT

- Programming: **R, Python**, Visual Basic for Applications, IMacros, Javascript, Qgis
- Python libraries: Pandas, GeoPandas, Numpy, Scikit-Learn, Scipy, Seaborn, Dash, Plotly, LightFM, Surprise, Flask, Streamio, BeautifulSoup, NLTK, FBProphet, Shap
- Database: SQL (**Teradata**, MySQL, Access), NoSQL (MongoDB), SPSS
- BI and ETL: Microstrategy, **Tableau**, Pentaho, SQL Server Data Tools
- Cloud: Google Cloud, **AWS**
- Version control: GitHub, **GitLab**

COURSES

- Specialized programme: Natural Language Processing. DeepLearning.Ai (Coursera)   Feb 2023
- Python for Data Science (online course), University of San Diego   Ene 2019 – Abr 2019
- Introduction to Data Mining, FSOC – UBA   Sep 2017 – Oct 2017
- Advanced SQL, MongoDB and JQuery, CodeSchool.com   Abr 2017
- International course "Latin America: citizenship, rights and equality", CLACSO/FLACSO/UMET   Mar 2016 – Nov 2016
- Quantitative data analysis (SPSS), CEMET   Sep 2010 – Nov 2010