

Julio Agustín Donadello

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An enthusiastic electronic engineer specialized in data science, solving real-world problems using engineering skills with passion for friendly machine learning models design, business insights analysis, pipelines development and documentation.

EXPERIENCE

Banco Macro, ARG — Data Scientist

JUL 2022 - PRESENT

- Get the opportunity to design ML models in Python with SKlearn and XGBoost frameworks.
- Create pipelines and deploy into production.
- MLops in GCP platform using Docker, Git, Airflow and Kubeflow.
- Ad hoc data analysis (transactions, behavior, segmentation, etc) working with complete and incomplete/imperfect data for different internal management teams.
- RPA useful for the business that involves web scraping.

Tools: SQL, Python, Data Studio, Vertex AI, BigQuery, Docker, Git, SKLearn, XGBoost, Spark, AirFlow, Kubeflow, Selenium.

Banco Macro, ARG — Data Analyst

FEB 2022 - JUN 2022

- Create an example project to fully explain an end-to-end pipeline architecture in GCP.
- Ad hoc dashboard for business needs, using Power BI, Excel, Shiny and Looker/Data Studio.
- Advanced query creation and automation for updating productive and non-productive databases.
- Get in touch with the Data Warehouse of the bank: Netezza, Sigma and MySQL databases.
- Data exploitation with Excel, Python and R.
- Get in touch with the deployed models and improve them.
- Marketing campaign segmentation and insight discovery with storytelling to branch managers.

Tools: Python, R, SQL, Excel, Power BI, SKLearn, XGboost.

RAN Security — Data & Cybersecurity Analyst

JUN 2021- FEB 2021

- SIEMs configuration (data origins interconnection and correlation rules creation).
- Weekly reports production.
- Process and Reports automation with Python using Jinja.
- MySQL database creation, administration and creation of dashboards with Grafana for events supervision.
- Contact with clients for vulnerability analysis.

Tools: SQL, Python, Grafana, Power BI, McAfee EDR, Cylance.

CyberDefense Direction, E.M.G.E. — Cybersecurity Analyst

JUN 2021- FEB 2021

- SIEMs monitoring (AlienVault Ossim and IBM Qradar)
- Exploit implementation with Metasploit.
- Proxy and firewall policies control.
- Traffic analysis with FortiAnalyzer and Wireshark.
- Intranet documentation with DokuWiki.

Tools: Metasploit, Markdown, SIEMs.

EDUCATION

Electronic Engineer — FIE - UNDEF

With specialization in Robotics.

2016 - 2020

Bilingual high school — Instituto Santa Teresa de Jesús

With orientation in Health and Environment.

2011 - 2025

PROJECTS

Horus — Comprehensive system for monitoring performance indicators

2022

This was the final project of my career in order to become an electronic engineer and I did it with two friends. The system was made up of hardware and software developments. Below I attach the main repository with the central monitoring system:

<https://github.com/Juliodonadello/Horus>

Tools: Docker, PostgreSQL, InfluxDB, Grafana, Go, HTML, css.

Portfolio — Portfolio and blog Website

2022

There are many website templates available on Github, however, I didn't find one that really suits my needs so I created one using Django. Currently offline, running locally.

<https://github.com/Juliodonadello/djang-portfolio>

Tools: Django, Python, HTML, css.

Analysis notebooks

2021

Physics Homework: [Tidal waves - Rio de la Plata](#)

Cryptocurrencies analysis: [Cryptos](#)

Tools: Python, Jupyter Notebooks, Deepnote VMs.

SKILLS

- Programing: Python, R, SQL, C, C++, Matlab
 - Databases: SQL, PostgreSQL, Netezza, Sigma, InfluxDB
 - Analytics: Power BI, Excel, Google Data Studio, Grafana, R Shiny
 - Machine Learning: TensorFlow, scikit-learn, XGBoost
 - Operational: Linux, Git, Docker
 - Electronics: pcb design, IoT developments, 3D printing
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LANGUAGES

- Spanish: Native
 - English: Advanced (C1)
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INTERPERSONAL

I am passionate about sports, nutrition and making good friendships. And I enjoy working while traveling.