Julio Agustín Donadello

As an enthusiastic electronics engineer with a specialization in data science. I thrive on applying my engineering skills to tackle real-world challenges through data-driven solutions. With a solid foundation of 5 years in data-related roles, I've been involved in the entire project lifecycle — from conceiving full project designs to conducting in-depth business insights analysis. I am constantly self-taught learning to enrich my skill set.
Currently finishing a postgraduate degree in deep learning, focused in CV and NLP.

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Linkedin Profile

Portfolio Website
Upwork Profile
Github Profile

WORK EXPERIENCE

Sage Intacct, USA — Sr. Data Analyst

MAR 2024 - PRESENT | *Team: Reporting*
- Owner and developer of the reporting module for Real State (third-party integration).
- Develop custom reports and datasets ad hoc.
- Data quality automation for the Real State app.
- Owner and developer of the reporting datawarehouse.

Banco Macro, ARG — Data Scientist

JUL 2022 - MAR 2024 | *Team: Machine Learning & Advanced Analytics*
- Design and improve ML models for different business needs, working with regression and classification algorithms.
- Create ML pipelines with VertexAI, deploy and schedule into production.
- Create ETL pipelines with Dataform, deploy and schedule into production for key processes and reporting.
- Ad hoc data analysis (transactions, behavior, segmentation, etc) working with complete and incomplete/imperfect data for internal management teams. Insight discovery with storytelling to branch managers.

Banco Macro, ARG — Data Analyst

FEB 2022 - JUN 2022 | *Team: Machine Learning & Advanced Analytics*
- Create an example project to fully explain an end-to-end ML pipeline architecture in GCP.
- Ad hoc dashboard for business needs with Power BI and Looker Studio
- Advanced query creation and automation for updating productive processes.
- Get in touch with the deployed models and improve them doing feature engineering.
- Develop a RPA for business necessities that involve web scraping with Selenium.

RAN Security, ARG — Data & Cybersecurity Analyst

MAY 2021 - FEB 2022 | *Team: S.O.C.*
- SIEMs configuration (data origins interconnection and correlation rules creation).
- Weekly reports production with Power BI and reports automation with Python using Jinja and Seaborn.
- MySQL database creation, administration and creation of dashboards with Grafana for events supervision.
- Contact with clients for vulnerability analysis.

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

JUN 2019 - AUG 2020 | *Team: S.O.C.*
- 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 using Markdown.
- Incident management and resolution using TheHive Project SOAR.

FREELANCE EXPERIENCE

Sage Intacct, USA — Data Scientist (Freelance)

NOV 2023 - MAR 2024 | *Team: Analytics with Product Owner*
- Develop multiple reports for the real state module using Bold Reports.
- Develop standard datasets.
- Document the processes.

Teknoir, USA — Data Scientist (Freelance)

JUN 2023 - OCT 2023 | *Team: Data Science*
- Develop an operational dashboard for a IoT system.
- Design non relational Data Models for the main Computer Vision app.
- Create a writer app for the back-end to connect devices and the main database.
- Create new features in the db API using FastAPI.
- Document YOLOv7 artificial vision models.

EDUCATION

Specialization in Artificial Intelligence — FIUBA

Specialization in AI   -   2024 - **present**

Electronics Engineer — FIE - UNDEF

Specialization in Robotics   -   2016 - 2022
Certificate

Bilingual high school — Instituto Santa Teresa de Jesús

Orientation in Health and Environment -   2011 - 2015
Certificate

EDUCATION - Other Courses

Advanced Python programming — UNSAM

Couse   -   2021- 2021
Certificate

PROJECTS

ML notebooks

Computer Vision **Tools**: Deep Learning, Pytorch, YOLO, Python.
NLP **Tools**: Deep Learning, TensorFlow, Keras, Python.
DeepLearning 1 DeepLearning 2 **Tools**: Deep Learning, Pytorch, SKLearn, Python.
Classic ML **Tools**: XGBoost, SKLearn, Cloud functions, Bigquey, Looker Studio

Pipelines in GCP

ETL in Bigquery **Tools**: Dataform, Bigquery, SQLX, JavaScript
MLOps in GCP **Tools**: Vertex AI, Kubeflow, Bigquery.
ETL Automation - Data Analytics **Tools**: Modeler SPSS, Batch, Cloud Storage, Cloud functions, Bigquey, Looker Studio.

Analysis notebooks

2021
Sensor signals time series: Tidal waves - Rio de la Plata
Tools: Forecasting Time Series, Python, Jupyter Notebooks, Deepnote VMs.
2022
Sorting Algorithms: Merge Sort vs Simple Sorting
Tools: Python, Jupyter Notebooks, Deepnote VMs.

IoT — Comprehensive system for monitoring performance indicators

2020-2022

The system was made up of hardware and software developments. 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 Website

2023

Currently online in this link: Portfolio

Tools: JavaScript, HTML, CSS.

Blog — Blog Website

2022

Currently online in this link: blog, but not showing productive content.

Tools: Django, Python, HTML, CSS.

SKILLS

- Programing languages: Python, SQL, JavaScript, C, C++, R, Matlab
- Machine Learning: Scikit-Learn, XGBoost, Pytorch, Tensorflow, Keras, OpenCV
- Operational: Bash, Batch, Git, Docker, Airflow, Kubeflow, MLFlow, Kubernetes
- Analytics: Modeler SPSS, Power BI, Excel/Sheets, Looker, Looker Studio, Grafana, R Shiny, Bold Reports
- Databases: BigQuery, MySQL, PostgreSQL, Mongo, InfluxDB, Netezza, Sigma
- Other Cloud tools: GCP (Dataform, VertexAI, Cloud Run, Composer, Cloud Functions), AWS (S3, Lambda)
- Electronics: IoT developments, PCB Design, 3D printing
- Agile: Storytelling, Collaborative development, Continuous learning

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LANGUAGES

- Spanish: Native
- English: Advanced (C1)

INTERPERSONAL

I am passionate about sports, nutrition and making good friendships.