Daniel Alonso

Website: dac.ac

Email: d@dac.ac
Github: @dreth

EDUCATION

- **Universidad Carlos III de Madrid** — Madrid, Spain
  Master in Statistics for Data Science — *September 2020 - September 2021*
  - Working with R/Python/Julia for statistical analysis, data viz. and reports and collaborative projects
  - Building statistical models, ML models, and interactive web applications with RShiny and Dash

- **Instituto Tecnológico de Santo Domingo** — Santo Domingo, Dominican Republic
  Bachelor's degree in Mathematics and Actuarial Science — *August 2015 - October 2019*
  - Studied calculus, functional analysis, actuarial mathematics, financial mathematics, statisticsM
  - Perform financial data modelling and predictions as well as learn to code

SKILLS SUMMARY

- **Languages**: Python, R, SQL, Shell scripting, Javascript, Solidity, LaTeX, HTML+CSS, VBA
- **Data**: Manipulation, visualization of data/arrays and ML modelling in Python/R. Database modelling.
- **Tools**: Git, docker/docker-compose, server infra software, Spreadsheets/Excel
  Software development + Vanilla JS web dev (html, css, js)
- **Platforms**: Strong familiarity with unix shells (zsh, bash, sh, etc.) and comfortable with CLIs
- **Other**: Blockchain data analysis + on-chain sleuthing. Strong defi and on-chain arbitrage experience
  Passion for languages, development, teaching, writing, and presenting information

LANGUAGES

- **Advanced/Native:** Spanish, English. - **Intermediate:** Dutch. - **Basic:** Italian.

WORK EXPERIENCE

- **NeoLux Energy** — Madrid, Spain (remote)
  Python backend developer (Part-time) — *January 2023 - Currently*
  - Python backend development using django
  - Data analysis and visualization using pandas, numpy, matplotlib, plotly and streamlit

- **Populate** — Madrid, Spain (remote)
  Python developer & Data scientist (Full-time) — *September 2021 - February 2022*
  - Developing a data integrity checking pipeline using Python and Great Expectations
  - Build interactive dashboards using Metabase, PostgreSQL queries and Metabase's native UI
  - Data analysis using public contracting data from Spain's with pandas, numpy, matplotlib, seaborn and streamlit
  - Improving the accuracy (c. 10
  - Performing a keyword extraction analysis, stemming and lemmatization using NLP methods

- **Cervecería Nacional Dominicana** — Santo Domingo, Dominican Republic (remote)
  Data scientist (Full-time) — *March 2020 - August 2020*
  - Cleaning up and manipulating data with pandas for analysis
  - Developing complete data pipelines for ML model development tuning and deployment
  - Clustering clients based on their product sales to target market niches
  - Utilizing Azure Databricks and PySpark to effectively deploy, clean up and tune models for sales prediction during the ongoing COVID-19 pandemic at the time

- **Referencia Laboratorio Clínico S.A.** — Santo Domingo, Dominican Republic
  Python developer & Lead data scientist (Full-time) — *August 2019 - March 2020*
  - Developing software tools for automation with an emphasis on minimal human intervention
  - Extracting, cleaning up, processing, visualizing and manipulating data with pandas, numpy, matplotlib, seaborn
  - Constructing databases from raw text data using python and a strong use of regex
  - Analyzing genetic sequence data

- **Seguros Sura** — Santo Domingo, Dominican Republic
  Vehicle insurance subscription analyst (Full-time) — *April 2019 - August 2019*
  - Programming/building spreadsheets with macros (VBA) to improve the quote-giving process
  - General data analysis and reporting on sales/accident rate for different insurance policies or groups of policies
  - Pricing/discount analysis and quoting individual vehicle insurance policies and fleets of vehicles

- **Sainz Tutoring** — Santo Domingo, Dominican Republic
  Mathematics, programming & physics tutor (Part-time) — *November 2016 - May 2019*
  - Math, programming and physics tutor for high school and university students

- **Business Computer POS** — Santo Domingo, Dominican Republic
  IT Technician (Full-time) — *May 2015 - October 2015*
  - Repairing and maintaining computers and peripherals / Installing and configuring software

- **Alonso & Colado SRL** — Santo Domingo, Dominican Republic
  Marketing manager (Full-time) — *January 2014 - August 2014*
  - Designing ads and general image editing / Data entry, mass emailing to customers and CM

PROJECTS & BLOG

View all my projects and articles on my website