

ANDRÉ RAMOLIVAZ

DATA SCIENCE MAJOR



ABOUT ME

Technical Skills R, Python, C/C++, Java, Excel, SQL, PHP, HTML, Dart, XML, JSON, \LaTeX
Languages Fluent in French and Italian; Proficient in English
Interests Trading, Programming Arduino, International affairs, Finance

WORK EXPERIENCE

Internship at ARPA

Agency for environment protection and monitoring

Valle d'Aosta, IT (09/2020 - 12/2020)

- **Developed a prototype** (with Arduino) on a drone able to track environmental parameters (e.g. pm10, pm2.5 pm1, temperature and humidity). Installed and programmed sensors system (Dht11, Pms5003, Hc-05) to collect data and send them via Bluetooth to the phone app for trends identification and possible climate implications.
- **The team work project** was presented to the **BB-CLEAN conference** for the Interreg Alpine Space project and to Edutech 2021 as a low cost robotic prototype of eco-sustainability and environmental monitoring.

IT Consultant

JEVE - Junior Enterprise Ca' Foscari Venezia

Venezia, IT (01/2022 - present)

- Web and app developer (Flutter, WordPress, PHP, HTML, CSS).
- Data analysis consultant for small business services (Python, R, Excel) .

Teacher

Teaching Math and data analysis in high school - Corrado Gex college

Valle d'Aosta, IT (09/2020 - 04/2022)

- Support students in project management and in analytical assignment. Contact point on diversification and inclusion for new entrants.

WSC Ambassador at ONU

My contribution came from the data analysis and projections on the topics.

New York, USA (05/2021 - 03/2022)

- Drafted position papers regarding *"The Disproportionate Impact of Environmental Degradation in Developing States"* and *"The Stigmatization of Victims of HIV/AIDS"* to present at the UN commissions SOCHUM.
- Representation of the Rep. of Nigeria at the CND. Topics discussed are: *"The Emerging Challenges of Synthetic Drug Trafficking"* and *"Incorporating a Human Rights Focus into International Drug Policies"*.

PERSONAL PROJECTS

Trading website with algorithms

- Database creation (SQL) via API (JSON parsification) for trading of financial instruments, with sentiment analysis of the market and users preferences trends. Incorporated the stocks performances with visualization tools.
- Designed the front-end interface (HTML, php, Bootstrap) for the buying/selling simulation, portfolio status visualization and to access the trading predictive algorithms functionalities (Auto, Standard, Assisted).
- Created ancillaries' items such as: session, cookies and CSRF tokens.

Voluntary cooperative foundation "The time bank"

- Website, social page and telegram bot creation to help students find easily teachers.
- Creation of "Chronos": token (Waves blockchain) used as currency to exchange and buy

Investments and Trading

- Ran cross-exchange arbitrage trading strategies via Bayesian statistics and sensitivity analysis

EDUCATION

Bachelor's degree in Data Science - University of Ca' Foscari

Venice, IT (2021 - present)

- Relevant courses: data and web mining, calculus, numerical algorithms, predictive analysis, linear algebra, algorithms and data structures, databases, probability and statistics, software engineering.

High school in IT - ISIT Manzetti College

Valle d'Aosta, IT (2016 - 2021)

- Final score: 95/100 with thesis merit on "Big Data Management: the use of business intelligence"