

# ANDRÉ RAMOLIVAZ

DATA SCIENCE MAJOR



## ABOUT ME

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

## WORK EXPERIENCE

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### 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.

### Vice IT Manager

JEVE - Junior Enterprise Ca' Foscari Venezia

Venezia, IT (01/2022 - present)

- PM for several projects of web and app development.
- Data analysis consultant for small business services.

### 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

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### 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

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### 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"