

Márcio André Arújo Fernandes C.V.

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Working Experience:

Specialist Machine Learning (Consultant – remote)

Health ministry department of Portugal - (Nov. 2016– present)

- Build machine learning app that uses geolocation to consolidate transportation of patients for hemodialysis treatment.
- Create machine learning solution to detect fake medical emergencies.

Specialist Machine Learning (Consultant)

Kentivo B.V. - (Dec. 2016 – Feb. 2017)

- Analyzed data and develop machine learning models for production
- Delivered web-browser apps, capable of running machine learning solutions
- Suggested new products and system architectures
- Developed data ingestion apps capable of handling large streams of data (over 1 million records), efficiently matched and de-duplicated those records
- Developed python algorithms capable of verifying the validity/veracity of information and automatically “flag it” and correct it

Data Analyst

LG European Service Center

(Nov. 2015 – Nov.2016)

- Ran large scale data analysis and setting up useful metrics
- Controlling and maintaining the internal BI solutions and ensuring the integrity of distributed reports (e.g. daily reports to European re-sellers)
- Analyzed trends and detect possible points of improvement and expressing these trends through appealing visualizations with the directive-board.
- Developed algorithms, capable of: validating, verifying the veracity of data, automatically identifying these cases. E.g.: Reducing discrepant logistic records. Such as fraud, invalid addresses and wrong weights, saving over 100.000 € in just two months.
- Assisting my Manager detecting possible points of improvement and launching new projects

SEO Specialist

Trivago GmbH - (Feb.2014 – Aug.2014)

- Monitored & researched backlinks through online metrics
- Built relevant links through relevant content and article placements
- B2B agent: acting as key liaison between hoteliers and trivago.pt ensuring mutually beneficial contracts
- Helped boost Portugal platform via Google Analytics

Graduate Assistant, Statistics

University of Minho - (Sept.2013 - Feb.2014)

- Edited PhD & Masters dissertations
- Large surveys and data analysis in the government/public sector
- Introducing A/B testing for sociology research

Education:

Data Science and Data Engineering Bootcamp (Jul. 2016 – Aug. 2016)

- Measured and improved statistical modeling
- Operationalized Machine Learning Models
- Advanced feature Engineering
- Distributed Databases and Data Warehousing.

Master Business Administration (focus in Supply Chain and E-commerce)

Vrije Universiteit Amsterdam

(Sep. 2014 – Mar. 2016)

- **Thesis:** *“How does e-commerce affects the global scenery of logistics? A closer look, of how the mobility of information, affects the mobility of goods.”*
- Proving that Newton’s formula of gravity could be applied to the “information entropy” theory by applying the model between Worldbank.org and logistic provider’s data.
- Business cases: Forecasting tool for Haribo, Automated procurement process for logistics, for Canon, Supply Chain architecture & cost simulator for AHZ

NORTAVIA

ATPL (Airline Pilot Transport Pilot License) (Dec. 2008– Sep. 2010)

Skills:

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|----------------------------|--------------------------------|
| • Python | • R (certified) |
| • Django (web development) | • Relational databases |
| • Predictive modelling | • NoSQL |
| • NLP, Text data analysis | • Excel (some VBA experience) |
| • Hadoop | • ESRI Arc GIS (certified) |
| • SPSS | • Google Analytics (certified) |
| • Clustering models | • HTML (front-end) |
| • Azure ML platform | • Tableau |
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Languages:

- Portuguese (Native)
- English (Fluent)
- Spanish (Fluent)
- German (B1 level)
- Dutch (A2)