Simão Lopes

Data Analyst

Former 15-yearlong content creator and IT trainer, with a background in coding in C++ and Oracle database admin, transitioning into a Data Scientist role after completing Iron Hack Bootcamp. Hands-on experience in machine learning in Python, pandas, Scikit-Learn, MySQL and Exploratory data analysis, pursuing continuous personal and professional growth, driven by knowledge and efficiency.

WORK EXPERIENCE

Teacher assistant – Data Analytics   2022
IronHack
- Evaluate students progress during the 9 weeks Full-time Data Analytics bootcamp.
- Coaches, mentor and guide students on programming, analytical and machine learning projects.

IT trainer   2018 - 2022
Open Space Formação e Soluções Empresariais
- Trained 20+ companies in advanced Excel, dashboards building and working with SQL-imported data.
- Trained 10 social integration courses to long-time unemployed people, 300+ people in total.
- Advised 4 big companies in business planning with Microsoft Visio.

Content creator   2019 - 2020
Eattasty
- Delivered 50+ monthly food photography images for an online shopping website, decreasing the time of each photoshoot to 1H.

Content creator   2005 - 2020
Concept photo
- Created more than 40 video productions per year for 15 years.
- Created institutional videos and photos for 50+ different retail and industrial companies.
- Conducted 4 big public events that gathered more than 500 people.
- Performed colour grading for 1 national TV show with 10 episodes.
- Managed a 4-member streaming team for 3 years broadcasting more than 15 events a year.

EDUCATION

Data Science 2022
IronHack Boot Camp, Online
- Built Tableau dashboard using data from MySQL databases and python cleaned CSV generated files.
- Machine learning models in Python, with great self-study in hyper tuning.
- Data cleaning, MySQL/Python.
- Programming in Python, advanced pandas, Web Scraping and API.

Information Systems Engineering   2008
Instituto Politecnico de Viana do Castelo
Degree in Information Systems

CONTACT

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SKILLS

- API and Web scraping.
- SQL.
- Regex.
- Data Visualization.
- Exploratory Data Analysis.
- Git.
- Machine Learning.
- Python
- Tableau.
- Scikit-learn.
- Pandas.

Data Analytics Projects

- **Art type identifier**
https://github.com/Simao-Lopes/art.i
Identifies the art movement from a provided painting.
  - API, Scraping, BeautifullSoup, Kmeans cluster, Keras, Resnet.

- **Song advisor.**
https://github.com/Simao-Lopes/lab-web-scraping-single-page
Suggests a song from an input string.
  - API, Scraping, BeautifullSoup, Kmeans cluster.

- **Fires in Portugal.**
https://github.com/Simao-Lopes/Fire-Project
Modelling the amount of burnt area in Portugal's forest fires.
  - Pandas, Seaborn, SK-Learn, RandomForestRegressor, SQL.

OTHER

- Advanced user of Adobe Creative Suite.
- Book lover.
- Electronics enthusiast.