Elie Brosset

Machine Learning Engineer

Machine Learning Engineer with 1.5 years of experience in a retail-tech startup. Passionate about best-practices of software development and leveraging machine learning algorithms to solve complex real-life problems.

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SKILLS

Programming Languages: Python | Bash | Javascript | R | SQL | Java | HTML/CSS

Frameworks: Pandas | Git | Docker | Transformers | PyTorch | Flask | FastAPI | Dash | Tensorflow | Keras

WORK EXPERIENCE

***Humanitics.ai**, Paris | Machine Learning Engineer Apprentice | 09/2022 - Present*

Station F - Retail Tech Start-Up

- Developed a Python library (27 GitHub stars) interfacing OpenAI GPT for automated data visualization.
- Built a web application allowing retail store managers to visualize the performance of their stores from a simple question in plain text, using Python Dash.
- Extracted valuable insights from retail transaction data using machine learning algorithms, resulting in actionable recommendations for improved business outcomes.

***Humanitics.ai**, Paris | Data Science Intern | 02/2022 - 08/2022 (6 months)*

- Reduced by 20% waiting times in the new Lacoste store by building automated email reports and an interactive dashboard handling RFID operations using Python Dash.
- Improved by 15% the hourly traffic forecasting accuracy by fine-tuning the seasonality of Facebook Prophet.
- Developed, implemented, and managed a predictive model to optimize workload management in a retail store.

***Learning Planet Institute**, Paris | Data Science Research Intern | 02/2022 - 08/2022 (6 months)*

- Analyzed 400k French Ph.D. theses by domain, location, and concept, and developed an interactive map used by researchers to visualize the data.
- Extracted quality phrases and key concepts from thesis abstracts using NLP and performed domain classification using machine learning techniques such as SVM and Deep Learning.

EDUCATION

***Engineer's Degree in Artificial Intelligence** | CY Tech, Cergy | 2018-2023*

Deep Learning, NLP, Image Processing, Machine Learning, Microservices, Cloud Computing, Big Data

***Bachelor's Degree in Data Science and Modeling** | CY Cergy Paris Université , Cergy | 2018-2022*

Machine Learning, Data Analysis, Statistics, Data Processing, Linear Algebra, Data Mining, Clustering

PROJECTS

[**ChartGPT-Dash**](#) | The winning app chosen from 11 submissions in Plotly's Dash GPT challenge (cash-prize) | 08/2023

[**ChartGPT**](#) | A 27-stars Python library leveraging GPT models to generate charts from text | *06/2023*

[**text2image-search**](#) | Image search engine from text using the machine learning model CLIP from OpenAI | *05/2023*

[**Motusom**](#) | Wordle game made of interdependent containerized microservices | *10/2022*

CERTIFICATIONS

- *TOEIC (English Proficiency) 980 out of 990 | 03/2022*
- *Neural Networks and Deep Learning, Coursera | 10/2020*