

Lucas Bensaid, Data Scientist | Tel-Aviv

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Data Scientist with skills in Machine Learning, Deep Learning and Coding with a mathematical background. My experience and passion for solving problems with cutting edge technologies give me the ability to build end-to-end pipelines.

Technical Skills

Programming: Python (TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, NLTK, Selenium, Flask)

Data Science: Feature Engineering, Dimensionality Reduction, Regularization Techniques, Regression, Classification, Clustering, Neural Network, Transfer Learning, Computer Vision, NLP(word2vec, RNN, LSTM, GRU, BERT), Autoencoders, GAN

Data Engineering: SQL, NoSQL, Spark, Git, Docker, Linux, AWS, GCP, AirFlow, Databricks

Professional Experience

Mars 2021- Now - Data Scientist, (Qualitest on behalf of Meta), Tel-Aviv

- Text classification: Data cleaning and preprocessing (word2vec, PCA) to select well defined and relevant text categories. Training multiple models (Bayesian, SVM, Logistic Reg) for POC. The deployed model reduces the time spent by users searching for text by 40%.
- ETL pipeline: linked a database to associated databases based on table and column names, using Jacquard similarity. This resulted in the implementation of a new drop-down menu button on the website that receives 4,000 clicks on a monthly basis.
- ETL pipeline: created a new feature that extracts important words from table descriptions using TF/IDF and word count. This addition significantly improved the average click rank of our internal database search engine.
- Data Visualization: Created meaningful dashboards to effectively communicate findings and investigate root causes of metric movements, while also monitoring features and triggering alerts.

Oct 2020 - Data Science Project, Verbit, Tel-Aviv

- Created a complete pipeline: data collection, preprocessing, prediction using multi-class model (XGB, Ada, Lg R, SVC, RF, KNN) for churn user detection.

Apr 2019 - Apr 2020 - Data Scientist, Wink, Paris

- Developed a product recommendation model that significantly improved customer engagement and boosted average order value by 20%.
- Implemented an Image Classifier for the product search system, enhancing the user experience and streamlining product discovery, leading to a 10% MAU rise during the last quarter.

Apr 2018 - Apr 2019 - Data Analyst, Satec, Paris

- Designed and maintained Excel forms with VBA that request databases and generate automatic visual reports, enabling non-technical employees to access updated data.
- Over 1,000 users utilized these forms on a monthly basis.
- The number of data report requests to the data team has been reduced by 30%.

Education

2020 Data Science Program; Israel Tech Challenge – Intense training program (+500 hours) on Data Science inspired by Israel Defense Force's 8200 intelligence unit.

2017-2019 MSc. Knowledge Systems, Paris 1 Pantheon Sorbonne.

- Machine Learning / Deep Learning / Object-Oriented Programming / Algorithms / Databases

2014-2017 BSc. Mathematics, Paris 1 Pantheon Sorbonne.

- Statistics / Probability / Linear Algebra / Numerical Analysis / Optimization / Economy

Additional Information

Languages: English (Fluent), Hebrew (Intermediate), French (Native)