Benoit Michelin

Data Engineer

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📇 Profile

I enjoy solving business problems with the help of data, automation, and building machine learning models. With a background in Finance, I transitioned to the tech world. I now code data products with Python, build ETL pipelines with Airflow or SQL to train and tune machine learning models. I believe my biggest asset is my ability to grasp concepts quickly and my dedication to learning. I value a collaborative, inclusive, and positive team culture.

💼 Experience

Mark43, Data Engineer ⬈   2021 — present | Toronto, CA
- Lead multiple concurrent migration projects from start to finish.
- Develop and execute end-to-end ETL processes using MySQL and MS SQL.
- Leverage AWS tools for cloud data management (RDS & S3).
- Manage timelines, deliverables, and customer requirements using Jira, Trello, and Baton.
- Improve internal migration processes including data validation, testing, and data reconciliation.

Le Wagon, Teacher Data Science (Part Time)   2021 — present | Montreal, CA
- Teaching data engineering modules: Train at scale with GCP, SQL, Predict in production
- Mentoring

SkillUp, Growth Developer ⬈   2016 — 2017 | Paris, FR
- Established the customer data onboarding process. Developed a scrapping pipeline reducing the time spent on onboarding from hours to a few minutes.
- Monitored and improved the quality of the training catalog data. Generated weekly sanity checks in order to update, create or delete outdated data. The data is now always up to date.
- Created and developed the entire onboarding process for companies from scratch.

🎓 Education

Data Science Bootcamp, Le Wagon   2021 — 2021
- Data Analysis: Inspecting, cleaning, and transforming data using Python, Pandas. Querying database with SQL. Creating visualizations with matplotlib, and Seaborn.
- Machine learning: running supervised, unsupervised, and deep learning models, optimizing their parameters through cross-validation tests. Using libraries such as Sklearn, Tensorflow, or Pytorch.
- Data engineering: Creating Python packages, pipelines and building web app deployed on Heroku or Google Cloud with Docker and Kubernetes.

Professional Data Scientist Certificate, DataCamp   2021 — 2021
- Completed a series of 20+ courses that covered primary areas of data science such as data management, model development, exploratory analysis, coding for production, and statistical experimentation.

Web development Bootcamp, Le Wagon   2019 — 2019
- Intensive coding bootcamp learning HTML, CSS, Bootstrap, JavaScript ES2015, SQL, Git, GitHub, Heroku and Ruby on Rails.
- Designed, implemented and shipped to production a clone of AirBnB and a Rails prototype.

Master Management Grande Ecole, EM Lyon Business School   2014 — 2018
- Economics: Statistics, Macroeconomics, Microeconomics.
- Finance: Corporate Valuations, Bond Markets, Financial Diagnosis, Treasury Management.

🧠 Skills

Python   Pandas   SQL   Scikit-learn   Tensorflow   GCP   Docker   ETL   Kubernetes

📋 Projects

Food to Wine

Built a web app that receives an image as an input and predicts a recipe and pairing wines. Used a Word2Vec model, a pre-trained image recognition model from Facebook AI, and hosted it on Google Cloud.

What Waste

Built a computer vision model in order to recognize different types of waste. Trained a VGG16 model with custom layers in order to classify a picture into 6 categories.

All the detailed projects are available on my portfolio: https://bensides.com/ ⬈