Baptiste DELATTRE

DATA   ANALYST

phone: +1-438-825-5612   e-mail: delattre.baptiste@gmail.com

- ➢ Interested in data-science and analysis challenges and opportunities.
- ➢ 5 years of experience in data analyst position.
- ➢ Capacities for data collection, processing, analysis**,** modeling and prediction.
- ➢ Good practice with libraries for statistical analysis and visualization: pandas, numpy, scikit-learn, matplotlib, seaborn, xgboost, lightgbm, keras, SQLAlchemy, pyspark, bash, ruby, Matlab.
- ➢ Ability to work independently or in a team-based environment.
- ➢ Master degree in engineering physics at École Polytechnique de Montréal.

PROFESSIONNAL EXPERIENCE

Data Analyst   **Feb 2018 – Mai 2019**

Adaware: Monetization solutions on web, Montreal

- • Metrics, reports, KPIs definition with stakeholders such as product owners.
- • Defining new business logic with product owners and development team.
- • Emergency investigation and report on downtime and impact evaluation on lost value.
- • Investigation to understand discrepancies between external partner and company's data.
- • Data pipeline creation and maintenance (R, python, airflow, AWS, SQL, MongoDB).
- • Predictive modeling on big data for business health related metrics: Customer Lifetime Value.
- • Dashboards creation, modification, maintenance to investigate business related metrics with Tableau, Superset.
- • Documentation of data pipelines and data consumption.
- • Supporting interns about business logic understanding, python/pandas setup, visualization layout.

Technologies: Python, pandas, scikit-learn, SQLAlchemy, MySQL, Airflow, AWS RDS, S3, R, Tableau, Power Bi, Superset, Excel, MongoDB, ElasticSearch, Kibana, docker, Bitbucket, JIRA.

Data Analyst   **Jan 2015 – Feb 2018**

Metrio: KPIs in sustainable development, Montreal

- • Knowledge of sustainable development operations, data integration, KPIs, reporting in national companies.
- • Scripting for data process import, processing and automatization with ruby, python, pandas, numpy from various data format: csv, excel, mongoDB, SQL.
- • Developing data feature for ruby on rails application: specific customer export, data integration.
- • Environmental calculations and audit for customers.
- • YAML scripting for ruby on rails application.
- • Training for new employees in YAML scripting and automatization on ruby on rails app.
- • Rationalizing production operations: git set up and employees training.
- • Advice to customers on account with specific focus on data organization and integration for a web application (National finance institution).

Technologies: Python, pandas, scikit-learn, Superset, Excel, MongoDBs, Bitbucket, JIRA.

Master's degree project

Energy Engineering Institute, École Polytechnique de Montréal
- Project on viability of a gen IV hybrid nuclear reactor.
- Calculation procedure implementation, Processing and post-processing for data analysis (Matlab, Bash, Python).
- Graphical representation of the results (Matlab, Gnuplot, Python).
- Errors and uncertainties quantification (descriptive statistics).
- Multiphysics modeling with 2 calculation codes, input/output parameters setting, interfacing.

Technologies: Matlab, Bash, Fortran, Python, LaTeX, Excel.

Technology teacher in secondary school   **Dec 2010-July 2011**

Collège Georges Politzer, Montreuil, France
- Development of courses and other materials.
- Development of thematics lessons concerning the different types of energies and more generally technologic and industrial processes.
- Projects concerning materials, dimensionning, designing, programming.
- Errors and uncertainties quantification (descriptive statistics).
- Lessons on wordprocessing and spreadsheets use.

Research engineer internship   **May 2009-Oct 2010**

Nanorobotics laboratory, École Polytechnique de Montréal
- Study and design of a microfluidic device to monitor the evolution of aerotactics bacteria.
- Bacterial density evolution modeling (Matlab).
- Design and fabrication of microfluidics devices in PDMS (Autocad).

EDUCATION

Master degree in energy engineering   **2011-2014**

École Polytechnique de Montréal
- Physics, nuclear technologies, thermal hydraulics.
- Maths, descriptive statistics, data processing.
- Linux, Bash environment.
- Neutron physics and thermal hydraulics modeling with Matlab.

Physics and nanotechnology engineering degree   **2007-2010**

INSA Rennes, France

COMPUTER AND LANGUAGE SKILLS

Systems: Linux (Ubuntu), OSX, Windows.
Software: Excel, JIRA.
Programming: Python, pandas, scikit-learn, numpy, flask, dash, dask, ruby, bash, GCP, AWS, docker, SQL, MongoDB, Matlab, LaTeX, deeplearning with tensorflow.
Languages: French (native), English (fluent), Spanish (functional)

HOBBIES

Sports: hike, ski, handball, climbing.
Other : reading, kaggle, movies.