

BOUKARI YAMEOGO

Business Intelligence – Data Science

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PROFILE

- **Machine Learning:** Classification and regression models development
- **Deep Learning:** Multi Layer Perceptron Neural Network, Convolutional Neural Network (CNN) and Recurrent Neural Network (RNN) with Pytorch, transfer learning with transformers (Bert, Albert, XLNet...) for Q&A, Classification, Text Generation
- **Data Mining:** Feature Engineering, Data extraction, Data cleaning,
- **Cloud computing:** Microsoft Azure, Google Cloud Platform (GCP)
- **Machine Learning Models deployment:** Flask and Django REST API framework
- **Programming skills:** Python, R, SQL, C#
- **Bilingual:** French and English

EDUCATION

Master of Business Intelligence (In progress), HEC Montréal,	Dec. 2020
Azure ML certificate - Machine Learning, Collège Maisonneuve,	Nov. 2018
Master of science – Physics - Université de Moncton,	Oct. 2014

EXPERIENCES IN BUSINESS INTELLIGENCE

Position: Business Intelligence Analyst Jun. 2019 – Dec 2019
Company: Desjardins
Location: Montreal

- Automate bank accounting analysis
- Develop Power BI reports and dashboard for financial analysis
- IT tools and environment: Power BI, DAX, Power Query, VBA Excel

DATA SCIENCE PROJECTS

Subject: Bert For Question Answering with Stanford squad-v2 Jan 2020 – April 2020
Course: Deep Learning

- Question Answering Task development
- Models used: Transformers Bert, Albert and XLNet for question answering
- IT tools and environment: Python, Pytorch, Google Cloud Platform VM with GPU
- Link to project: <https://github.com/yameess/Question-Answering>

Subject: Text/document Classification Jan. 2020- April. 2020
Course: Deep Learning

- Text / Document classification task development
- Models used: Transformer Bert for text classification, CNN and LSTM
- IT tools and environment: Python, Pytorch, Google Cloud Platform VM with GPU

Subject: Data integration in Microsoft Azure using Data Factory Jan 2020 – April 2020
Course: Business Intelligence Technology

- Build an ETL to integrate on premise data on Microsoft Azure with Data Factory
- Microsoft Azure Cloud Management
- Link to the project: <https://github.com/yamess/AzureDataFactoryProject>
- IT tools and environment: SQL Server, SQL Database, Data Factory, Microsoft Azure

Subject: Density Peak Clustering Algorithm Development in Python Sept. 2019- Dec. 2019
Course: Algorithms For Optimization and Big Data

- Develop from scratch, implement, and optimize the density peak clustering in python
- Link of the project in GitHub: <https://github.com/yamess/DensityPeakClustering>
- IT tools and environment: Python, Cython, PyCharm

Subject: Customer Churn Classification Model Development Sept. 2019- Dec. 2019
Course: Data Mining

- Models Developed: Extreme Gradient Boosting, Decision Tree and Neural Network
- Program developed from scratch
- IT tools and environment: Python, PyCharm

PERSONAL PROJECTS

Windows Presentation Foundation Application Development Oct. 2014

- Inventory Management Desktop Application Development
- WPF App development through MVVM Design pattern with C# and XAML
- Database: SQLite, SQL Server
- Link to the project on GitHub: <https://github.com/yamess/DataSmart>
- IT tools and environment: C#, SQL, XAML, Visual Studio

AWARD AND HONOR

Winner of Newtrax and Ivado Hackathon 2019 Apr. 2019

HOBBIES / INTERESTS

- Reading
- Sport: Soccer