AURORE GOSMANT

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PROFESSIONAL EXPERIENCE

Data Analyst for the Vice Dean of Research — New York, NY
Columbia Business School — Jan 2021 – Present
- Assist a range of faculty with data-analysis need to work on contained research-related tasks.
- Built a scraping and computer vision tool to extract information about offering and companies raising more than $1 million on EDGAR.
- Implemented an OCR and processing algorithm to identify, extract and process information from complex forms.
- Worked with 10 different professors and PhD students on computer vision, web scraping, data processing and running ML algorithm.

Founding Team — New York, NY
Sheepme — Apr 2021 – Present
- Co-founded green shipping platform web app among individuals based on concept of carpooling, as part of team of 2.
- Developed an online marketplace from scratch using JS, PHP, HTML and CSS, and self-learned UI/UX to improve usability and scalability.
- Pioneered growth-hacking techniques to build a community of 1000 members in 3 months and solve chicken or egg dilemma.

Data Scientist — New York, NY
United Nations – IMU Team for Secretary General — May 2021 – Jul 2021
- Raised $181,000 for development of a risk alert system to identify political escalation and conflict outbreak in mission countries.
- Led prototyping of an early-warning tool to identify determinants of conflict in Central Republic of Africa.
- Performed a semantic similarity tool across datasets of UN Data Hub, using multiclass classification, key word extraction and embeddings.

Part-time Consultant — New York, NY
Louis Vuitton – Supply Chain — Nov 2020 – Jun 2021
- Spearheaded a team of 8 members for all bi-weekly client meetings and project presentations as technical expert on project.
- Devised a monitoring tool to track and predict daily usage and stock level of fragrance samples in-stores.
- Improved tracking and forecasting of unsellable usage in store by 40% across all North America stores.

Part-time Consultant — New York, NY
Fresh Direct — Nov 2020 – Jun 2021
- Pioneered analysis of receiving process, identification of receiving inaccuracies, and providing solution to reduce number of errors by 30%.
- Constructed a monitoring tool to identify all links associated with any incorrect transaction sustainably.
- Conducted in-depth analysis on historical data leveraged by suggesting use of a Key Performance Indicators to track receiver's error statistics.

EDUCATION

Columbia University Engineering — New York, NY
MS in Operations Research – F-1 Visa Holder – GPA: 3.7/4 — Sep 2020 – Dec 2021
- Courses: Operations Consulting, Business Analytics, Optimization, NLP, Machine Learning, Stochastic Models, Statistics.

Telecom Paris — Paris Saclay, FR
MS in Computer Science – GPA: 3.9/4 (Top 5% of graduating class) — Sep 2018 – Jul 2020
- Top-tier French Engineering School in Computer Science and Digital Communication.
- Courses: Machine Learning, Deep Learning, Statistics, Linear Regression Models, Econometrics, Digital Finance.

Sainte Geneviève College — Versailles, FR
Engineering Preparatory Class — Sep 2016 – Jul 2018
- Elite and intensive program for highly competitive nationwide engineering school entrance examination.
- Courses: Applied Mathematics, Physics.

PROJECT EXPERIENCE

Fusion of Algorithms for Facial Recognition - Applied Machine Learning Challenge. — Apr 2020
- Computed a best suited model for comparison of a pair of images by ensemble learning ML algorithms based on accuracy metrics.
- Implemented supervised ML algorithms, namely SVM, Neural Networks, Random Forest, Hyperparameters Improvement, Max Voting, Boosting, Bagging, Stacking, Stacked Neural Networks in Python.

ACTIVITIES

Telecom Paris Student Council — Paris Saclay, FR
Treasurer - Integration of International Students — Apr 2019 – Aug 2020
- Budgeted $170,000 by sponsoring 30 organizations, organizing university events, and insuring local premises.
- Responsible for being administrations and bankers' point of contact to negotiate partnerships contracts.
- Defined budget for each trip – ranging up to $88K for 200 people.

SKILLS

Technical: Python, SQL, R, MS Power BI, Google Analytics, Java, MATLAB, PHP, CSS, JS.

Python Packages: NumPy, Pandas, Scikit-Learn, NLTK, Kera's, TensorFlow, spaCy, gensim.

Spoken Languages: Native in French, Fluent in Spanish, Intermediate in Chinese.

Interests: Basketball, Piano (+14 years), Kitesurfing, Debating and African culture (4 years of expatriation in Gabon).