

HUGO ARTIGAS

Columbia University, NY

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EDUCATION

Columbia University, New York, NY

Master of Science, Business Analytics, Department of Operations Research and Industrial Engineering. Expected Dec 2022

- Relevant coursework includes Machine Learning, Financial Engineering, Statistics, Optimization, Marketing Analytics (P.h.D.), Deep Learning (P.h.D.), Service Operations Management (MBA), and Risk Management (MBA).

Ecole Polytechnique, Paris, FR

Bachelor of Applied Mathematics, Master's Degree in Engineering

Jul 2021

- Relevant coursework includes Machine and Deep Learning, Statistics, Monte Carlo Simulations, Risk Management, and Economics.

RESEARCH EXPERIENCE

QuantZ Capital, New York, NY

Quantitative Finance Consultant

Jan 2022 – May 2022

- Managed the team and led the meetings with the client as the group leader.
- Performed Financial Market Regime Identification using the Sparse Jump model.
- Created a Python code to compare the Sparse Jump fitting algorithm to classic Data Science algorithms on market prediction and understanding.

French National Centre for Scientific Research (CNRS), Lyon, FR

Quantitative Research Intern

Mar 2021 - Aug 2021

- Built credibility intervals for the coronavirus's reproduction rate based on a Bayesian formula in a team of four researchers.
- Defined new methods mixing convex non-smooth optimization and Markov Chain Monte Carlo sampling.
- Implemented these in MATLAB methods and analyzed results to determine the best methods.

PROFESSIONAL EXPERIENCE

Aetna, CVS Health, New York, NY

Data Scientist

Sep 2022 - Present

- Created two communication campaigns to improve the Aetna Medicare rating.
- Performed campaign sizing by understanding the business context and determined how to increase the member behavioral change rate, with an expected revenue of \$1 million.
- Built a data pipeline using Python and JSON files to automate the marketing campaigns, which were supposed to reach out to 238,000 people.

Data Science Intern

Jun 2022 – Aug 2022

- Performed analyses of structured and unstructured data to improve the Aetna Medicare rating.
- Developed data structures and pipelines to organize, collect and standardize data from various databases across the different sectors of the company.
- Built a Python predictive model to determine member likelihood to perform cancer screenings, leading to a 10% performance increase.

VINCI Construction, Toulouse, FR

Construction Site Supervisor Intern

Jun 2020 - Aug 2020

- Managed workers on two construction sites of 6 and 8 million dollars budget. Organized coordination meetings to define workers' tasks.
- Developed commercial skills thanks to the organization of client meetings, and price negotiations (down 20%).
- Verified safety rules on construction sites.

PUBLICATIONS

- Hugo Artigas, Barbara Pascal, Gersende Fort, Patrice Abry, Nelly Pustelnik. CREDIBILITY INTERVAL DESIGN FOR COVID19 REPRODUCTION NUMBER FROM NON-SMOOTH LANGEVIN-TYPE MONTE CARLO SAMPLING. 2021. Published in EUSIPCO 2022. Hal: 03371837.

SKILLS & INTERESTS

- Technical: Python, MATLAB, SQL, C++, LaTeX, HTML.
- Python Packages: Torch, TensorFlow, NumPy, Pandas, Scikit-Learn, Statsmodel.
- Spoken Language: Native in French, intermediate in Spanish.
- Additional skills: Managed training and created tournaments as a student in charge of sports in the soccer section at Ecole Polytechnique and treasurer of a student organization at Ecole Polytechnique.
- Interests: Soccer (captain of a team for 3 years), golf, skiing, surfing.