

CESAR DORI

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EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, SLOAN SCHOOL OF MANAGEMENT

Cambridge, MA

Candidate for Master of Business Analytics, Operations Research Center, August 2026

2025 - Present

- Relevant Coursework: Machine Learning, Optimization, Deep Learning, Advanced Analytics Edge, AI & ML Club
- Optimization Project: Developed a two-staged mixed-integer optimization model to maximize coverage and minimize walking distance to water sources in Congo; modelled demand grids using K-means clustering (Python)
- Machine Learning Project: Programmed an interpretable machine-learning model to predict MLB game outcomes using rolling team/pitcher performance and engineering contextual features (Python)

IMPERIAL COLLEGE LONDON

London, United Kingdom

Master of Mechanical Engineering (MEng), Dean's List, GPA: First Honors

2020 - 2024

- Relevant Coursework: Computer Science, Statistics, Machine Learning, Optimization, Mathematics
- Awards: Engineer in Business Fellowship (2nd Place); researched and designed business model for an automated drawing quality assurance and supplier-matching start-up

TECHNICAL SKILLS

- Python, SQL, R, Julia/JuMP, Git, MATLAB

EXPERIENCE

MIT SLOAN | FIDELITY INVESTMENTS

Cambridge, MA

Analytics Lab Team Member – Predict Net Asset Value of Private Equity Funds

Fall 2025

- Built an OLS forecasting model that lowered MSE by 4%, enabling 40 days earlier quarter-close insight for portfolio stakeholders (Python)
- Engineered “latency state” features that cluster funds by historical reporting delays, improving robustness and reducing tail forecast errors for late reporters (Python)
- Delivered technical findings at weekly meetings to senior stakeholders, defending model choices and incorporating their feedback into model iterations

THE BRADERY | France’s No. 1 fashion e-commerce startup

Paris, France

Data Analyst

Sep. 2024 - Mar. 2025

- Converted manual triage with a scheduled job that identifies late items per supplier and triggers outreach; improved vendor response times and reduced customer service spend by \$23K (Python, BigQuery)
- Developed a Python pipeline integrating OpenAI and Shopify APIs to automatically generate 10k high-quality product descriptions displayed on customer facing website, ensuring consistent tone and relevance across collections (Python)
- Rebuilt curated data marts and delivered self-serve dashboards, cutting inbound ad-hoc requests to the Data team by 90% (SQL/dbt)

IMPERIAL COLLEGE LONDON

London, United Kingdom

Researcher in Additive Manufacturing

Oct. 2023 - Aug. 2024

- Implemented a novel predictive exponential regression model within a Fortran sub-routine to simulate behaviour of additively manufactured steel, predicting stress/strain response at fracture with 90% accuracy (Fortran)
- Designed MATLAB workflows to analyze 1,084 test images and extract notch curvature/radius evolution; enabled continuous stress-strain computation and parameter identification for the damage model (MATLAB)
- Presented findings to a panel of experts, receiving commendations for innovative methodology and its positive impact on industry practices

GEP WORLDWIDE | Global leader delivering AI-powered procurement solutions

London, United Kingdom

Procurement Consultant

Summer 2023

- Categorized \$650M of purchasing orders for cost-saving assessments and identified \$1.2M in savings through recommendations such as supplier consolidation and renegotiations
- Led interviews with advisory groups, translated feedback into measurable eligibility criteria, automating the supplier screening process and increasing participation of 151 diverse suppliers in client sourcing events

ADDITIONAL INFORMATION

- Languages: French (Native), Italian (Conversational), Spanish (Conversational)
- Sports: Competed in the Southeast Asia Student Activities Conference for football 11-side, tennis, and rugby
- Interests: Proud dog owner, improving long-distance runner, Arsenal fan, vinyl enthusiast