David Gallo

Data Scientist + Consultant

Trilingual technology expert with **6+ years of experience** in data science and management consulting. Strong academic and professional background in business strategy, project management, analytics, and AI.

Contact

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github.com/monkeydg

Education

2022
MSc Artificial Intelligence and Business Analytics
Toulouse Business School | France
9.2/10 GPA

Thesis: *"Algorithmic Cryptocurrency Trading using Sentiment Analysis & Dueling Double Deep Q-Networks"*

2019
Honours Bachelor of Commerce, Summa Cum Laude
University of Ottawa | Canada
9.1/10 GPA

Expertise

- Machine Learning
- Project Management
- Cloud Services
- Big Data Analytics
- Information and Data Management
- Product Lifecycle Analytics

Experience

Delivery Hero SE (Berlin, Germany) — 2022-2023
Senior Product Analyst

- Led customer logistics analytics for the largest food delivery company by global sales.
- Conducted complex geospatial pricing analyses and A/B/n experiments using BigQuery, Python, and Airflow. Created data curation pipelines and Tableau reports.
- Acted as a strategic advisor to product managers; responsible for embedding data-driven processes and tools within product development and engineering squads.

Deloitte — 2018 - 2019, 2021 - 2022
Consultant

- Led the QA team for a large-scale cloud implementation with federal government to overhaul a high-traffic citizen intake process.
- Led the development and implementation of an NLP-driven information classification solution to categorize unstructured data with unsupervised machine learning.
- Analyzed data maturity and AI readiness for a cloud-based ERP implementation through client workshops and independent research.
- Created a data governance framework and cloud-enabled target operating model.

Canadian Internet Registration Authority — 2020
Cybersecurity ML Engineer/Data Scientist

- Led the data and ML strategy for a new cybersecurity product.
- Developed cloud-hosted machine learning workflows using ElasticSearch, SQL, and Python for anomaly detection of high-speed DNS data, to identify malicious users.
- Prototyped DNS firewall features in an agile environment using a scrum framework

Department of National Defence — 2020
Database Administrator

- Developed an Azure-hosted database to manage accommodations tracking.
- Created a data governance model and business strategy for MS SharePoint migration.
- Developed an AI PoC chatbot with IBM Watson to manage accommodation requests.

MNP LLP — 2019
Analyst/Developer

- Implemented a Google Cloud ML solution to support predictive maintenance within a large oil and gas company. Reduced expected annual repair expenditures by 15%.
- Assessed current state IM practices of a public sector organization and created a target operating model to support a cloud-based records management system.

Department of National Defence — 2016-2018
Records Manager

- Managed the accessibility and security of petabytes data using OpenText solutions.
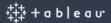- Created custom scripting tools to enable automated data entry.

Certifications

Azure Data Scientist Associate

Certification Number: I254-7240

Dell Data Science Associate

Certification Number: 0T96TYPRG2E1143C

Leadership and Volunteering

University of Ottawa

Senate Faculty Representative

- Elected three times to the Senate and Faculty Council (2018 to 2020), the highest academic governance bodies of the university and faculty. Created and voted on all academic regulations, policies, and programs of the University.

CASCO Charity Organization

Musical Director

- Planned for and performed in fundraising charity, raising $250,000 over three years for the Children's Hospital of Eastern Ontario, with full-day weekly rehearsals.

Jeux Du Commerce

Coach and Finalist

- 2-time Academic VIP and 2019 Finalist at Jeux Du Commerce, the largest Eastern Canadian case competition. Weekly 4-hour case cracks.
- Coach for the 2020-2024 JDC team. Awarded 2022 Coach of the Year.

Telfer Human Resources Association

Vice President, Internal Affairs

- Oversaw all student affairs, including university relations and alumni networking.
- Overhauled member recruitment strategies through stakeholder engagement workshops.

Telfer Human Resources Association

Director, Sponsorship

- Built and maintained relationships with association sponsors, turning leads into sales.
- Managed the leading source of revenue for the association with appropriate controls.

Interests

Musical Instruments

- Completed Grade 8 Piano with the Royal Conservatory of Music after 15 years, practiced and performed drums for the last 10 years.
- Founded the rock band AVRA. Coordinated with industry professionals to release music and perform at events, including Ottawa's largest music festival (RBC Bluesfest).

Programming

- Built and maintain the only competitive matchmaking system for Planetside 2, the world's largest MMOFPS. The system has facilitated over 5000 matches, with thousands of users. Full back-end and front-end software stack using Python, Flask, MongoDB, and AWS.