



David Gallo

Consultant + Data Scientist

High-achieving trilingual technology consultant with five years of consulting and data science experience. MSc in Artificial Intelligence and Business Analytics from the Toulouse Business School. Honours Bachelor of Commerce (Summa Cum Laude) from the University of Ottawa.

Contact

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Github

github.com/monkeydg

Education

2022

MSc Artificial Intelligence and Business Analytics

Toulouse Business School

9.2/10 GPA

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

2020

Honours Bachelor of Commerce, Summa Cum Laude

University of Ottawa

9.1/10 GPA

Expertise

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

Experience

○ 2018 - 2019, 2021 - Present

Deloitte Digital

Consultant

- Led the QA team for a large-scale cloud implementation with the federal government to overhaul a high-traffic citizen intake process. Directly responsible for the management of testing, automation, deployments, and project governance.
- Developed and implemented 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 AI-embedded target operating model.

○ 2020

Canadian Internet Registration Authority

Cybersecurity ML Engineer/Data Scientist

- Developed cloud-hosted machine learning workflow using Elasticsearch, MySQL, and Python to process high-speed DNS data in real-time and prepare it for data analysis.
- Implemented unsupervised machine learning and deep learning techniques to analyze millions of daily DNS requests and isolate malicious devices.
- Prototyped DNS firewall features in an agile environment using a scrum framework.
- Created an API-driven dashboard to enable data-driven decision-making.

○ 2020

Department of National Defence

Database Administrator

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

○ 2019

MNP LLP

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 45%.
- Assessed current state IM practices of a public sector organization and created a target operating model to support a cloud-based records management system.

○ 2017-2018

Department of National Defence

Records Manager

- Managed the accessibility and security of vast amounts of data using OpenText solutions. Created custom scripting tools to support data entry for other departments.

Languages

English
French
Italian

Awards

- JDC Coach of the Year (2022)
- TBS Datathon 1st Place Presentation (2022)
- Accenture Scholarship Fund (2020)
- University of Ottawa Merit Scholarship (2016-2020)
- JDC 2nd Place (2019), JDC VIP Academic (2018-2019)
- Lazaridis International Case Conference 3rd Place (2018)
- AP Scholar Award (2016)
- Craig Cameron Memorial Scholarship (2016)
- Computer and IS Award (2015)
- Broadview Musicianship Award (2012)
- OPC Award for Student Leadership (2011)

Technology



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. Provided input 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.

Telfer Human Resources Association

Vice President, Internal Affairs

- Oversaw all student affairs, including university relations and alumni networking.
- Overhauled member recruitment strategies and implemented a new CRM.

Telfer Human Resources Association

Director, Sponsorship

- Built and maintained relationships with association sponsors.
- Managed the leading source of revenue for the association.

Jeux Du Commerce

Participant and Coach

- 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 2020-2023 JDC team. Awarded 2022 Coach of the Year.

Interests

Musical Instruments

- Completed Grade 8 Piano with the Royal Conservatory of Music after 14 years, practiced and performed drums for the last 9 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 deployed the only developer-endorsed competitive matchmaking system for Planetside 2, the world's largest MMOFPS.