



# David Gallo

## Consultant + Data Scientist

High-achieving trilingual technology consultant with five years of experience in management consulting and data science. Strong background in both business strategy and technology transformations.

## Contact

### Website

dgallo.ca

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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

### Consultant

- Led the QA team for a large-scale data analytics 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.
- Performed data modeling with SQL, BigQuery, and Python to identify product trends for a retail client. Delivered my findings in an interactive Tableau dashboard.
- Worked across stakeholder groups to develop new data governance frameworks.

○ 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.
- Ran A/B tests and built product dashboards with data from Google Analytics.

○ 2020

Department of National Defence

### 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 using IBM Watson to manage accommodation requests.

○ 2019

MNP LLP

### Analyst/Developer

- Implemented a cloud-based computer vision solution for predictive maintenance in an 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

- Deloitte Silver Dot (2022)
- 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)
- OPC Award for Student Leadership (2011)

## Technology



## Certifications



### Azure Data Scientist Associate

Certification Number: I254-7240

### Dell Data Science Associate

Certification Number: OT96TYPRG2E1143C

## 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 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.

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. Full back-end and front-end software stack.