

# Damian Mitrofan

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Portfolio: [damian.mitro.dev](https://damian.mitro.dev)

## Experience

### Information Security Manager

Reverse Tech

Dec 2024 - Present (Full-Time)

- Protect and maintain the integrity of systems by implementing robust cybersecurity measures.
- Ensure compliance with industry standards, regulations, and company policies.
- Identify, assess, and manage potential security risks across the organization.
- Lead security initiatives to safeguard sensitive company data and assets.
- Collaborate with cross-functional teams to design and implement effective security solutions.
- Conduct regular audits, penetration tests, and vulnerability assessments.
- Monitor and respond to cybersecurity incidents promptly and effectively.

### Data Analytics Engineer

Reverse Tech

Aug 2024 - Dec 2024

- Collaborate with business stakeholders to understand their requirements and propose technical solutions.
- Design, develop, and maintain scalable data pipelines in DBT, ensuring data quality and efficiency.
- Work closely with Data Engineers to transform raw data in BigQuery into structured datasets ready for analysis.
- Develop and optimize Tableau dashboards and reports, providing key metrics and insights for business decisions.
- Provide clean data models for Data Scientists to support advanced analytics initiatives.
- Propose new variables and modelling techniques for machine learning projects.

### Data Analytics Executive

L'Oréal

Sep 2022 - Apr 2023 (Fixed-Term Contract)

- Code Python scripts to analyze 3<sup>rd</sup> party APIs using libraries such as Pandas, NumPy and TensorFlow.
- Build efficient data pipelines in Apache Spark using PySpark for processing and transformation.
- Manage corporate GCP's VMs and Big Query datasets for optimizing costs and delivery.
- Create automated reports and dashboards in Domo, Google Data Studio and Microsoft PowerBI.
- Propose automated solutions to top management and undertake meetings with product owners.
- Work with Paris office to import and personalize IT tools according to the London office needs.
- Help L'Oréal UK transition from Domo to Microsoft PowerBI for global standard reports.
- Work together with EssenceMediaCom to restructure L'Oréal UK social media data lake.

### Data Science (in Marketing) Intern

L'Oréal

Jul 2022 - Sep 2022 (Fixed-Term Contract)

- Create an all-in-one fully automated dashboard for analysing L'Oréal UK marketing data.
- Work with 3<sup>rd</sup> parties such as Nielsen, BARB TV, Skai and Google Analytics to process marketing data.
- Create a tool for L'Oréal UK to hourly assess performance of their ad campaigns during Amazon Prime Days.

## Education

### Harvard University

Master's in Management

Sep 2025 - 2028 (Part-Time)

Current GPA: 3.8/4

### King's College London

BSc (Hons) Computer Science with Management

Sep 2021 - Jul 2024

Grade: First-Class Honours

### King Edward's Witley

International Baccalaureate

Sep 2019 - May 2021

**Subjects:** Computer Science HL, Economics HL, Design Technology HL, Mathematics Analysis and Approaches, German, English Language and Literature

## Skills

C++ • Java • Python • SQL • Google Cloud Platform (GCP) • Microsoft PowerBI • Google Data Studio • Data Analysis • Threat Analysis • Reverse Engineering • Unity • Excel • Apache Spark • Tableau • DBT • Debugging • Marketing

## Languages

English - Full professional proficiency | Romanian - Native proficiency | German - Elementary proficiency

## Projects

### BX-CSGO

Free open-source cross-platform cheat software for Counter-Strike: Global Offensive game. Designed as an internal cheat - Dynamic-link library (DLL) loadable into game process. **Written in C++.**

GitHub repository: <https://github.com/DMY2003/BX-CSGO>

### PUBG-Radar

Free open-source cross-platform cheat software for PUBG game. Designed as an external cheat that can be run on a different device, as it sniffs the game's packets in the network. **Written in Kotlin.**

GitHub repository: <https://github.com/DMY2003/PUBG-Radar>

### Bemused: The Software Widespread

Free open-source cross-platform co-operative game. Submitted to EUvsVirus Hackathon, designed to help people during Covid quarantine. Introduced a new way of designing co-op games that did not require an internet or a LAN connection, only verbal communication. **Made in Unity.**

Devpost presentation: <https://devpost.com/software/antitled-games-bemused>

## Honors & Awards

- New York University CSAW Global CTF Final Round 2021 – Global Finalist
- Google Global CTF 2020 – Global Finalist
- HackerOne HacktivityCon Global CTF 2020 – Global Finalist
- DEF CON Hack-A-Sat Global Qualifiers 2020 – Global Finalist
- The London Institute of Banking & Finance Student Investor Competition 2020 – Semi-Finalist
- SANS Institute & HM Government Cyber Discovery 2019 – Top 10 best UK students
- OtterSec HSCTF 6 2019 – Finalist
- Climathon 2018 – 2<sup>nd</sup> place
- Nasa Space Apps Challenge 2018 – Global Awarded