Damian Mitrofan

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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 (5 months)

• 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 (8 months) (Fixed-Term Contract)

• Code Python scripts to analyze 3rd 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 (3 months) (Fixed-Term Contract)

• Create an all-in-one fully automated dashboard for analysing L'Oréal UK marketing data.

• Work with 3rd 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

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 sniffers 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

MSMS
Free open-source Music School Management System with login/register, booking, calendar, student requests, admin control panel and payment systems. **Written in Django** (Python3).
GitHub repository: https://github.com/DMY2003/MSMS

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 – 2nd place
- Nasa Space Apps Challenge 2018 – Global Awarded