

# ADRIAN NG

## EXPERIENCE

### Data Quality Analyst

#### IAG Cargo

- 📅 October 2020 – Ongoing 📍 Aviation
- Investigated Data Quality issues with bitmaps, snapshots, and dashboards
  - Lead the initiative to bring GitHub to the team
  - Performed Data Issues Management using Kanban
  - Chaired meetings, brokered information between business and suppliers
  - Coached others on Markdown, Git, SQL best practices (indexing, recursion)
  - Wrote Python scripts; Unit testing with UnitTest framework
  - A/B testing with statistical analysis and experimental design

### Junior Data Engineer

#### IAG Cargo

- 📅 June 2019 – October 2020 📍 Aviation
- Developed data transformation processes in Oracle
  - Developed data ingestion microservices using PnP PowerShell
  - Version control using Git

### Data Insight Analyst

#### Manchester City FC

- 📅 January 2018 – June 2018 📍 Football
- Performed Data Quality investigation for New York City FC with Ticketmaster datasets
  - Built customer segmentation and data quality reports in Tableau on Experian, Salesforce datasets

### Senior CRM Campaign Executive

#### Creator

- 📅 December 2013 – September 2016 📍 Marketing
- Developed ingestion and transformation processes in SQL Server
  - Task management using JIRA

## PROJECTS

### Modeling Flights with Directed Acyclic Graphs in Oracle

#### IAG Cargo

- 📅 January 2020 – April 2021
- SQL Development project to construct flight models in Oracle database, achieving efficiencies with recursive approaches
  - Techs: Alteryx, Oracle, project management in GitHub

### User Configured Data Ingestion Service

#### IAG Cargo

- 📅 October 2019 – January 2020
- Data Engineering project to allow users to create configurable ingestion pipelines between Sharepoint filesystem and Oracle database.
  - Techs: Python, Powershell 5.1, Sharepoint PnP, yaml, SQL\*Loader, Oracle

## CERTIFICATES

### Functional Programming Principles in Scala

#### École Polytechnique Fédérale de Lausanne

- 📅 August 2020 📍 coursera.org/verify/CVTBRL4T32UJ

## CONTACT

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## EDUCATION

### MSc. in Data Science & Analytics

#### Royal Holloway, Department of Computer Science

📅 Oct 2016 – June 2017

Dissertation title: Implementing Value at Risk Measures in Java

modelling time series financial data

### BEng. in Mechanical Engineering

#### King's College London, School of Engineering

📅 Oct 2007 – June 2010

## SOFTSKILLS

Coaching Planning Collaboration  
Resource Management Result Tracking  
Leadership Innovation Prioritisation  
Master Communicator  
Time Management

## PROFESSIONAL SKILLS

SQL  
Git  
Java  
Python  
Scala

## STRENGTHS

- Management

Kanban GitHub

- Development

SQL Query Optimisation Git  
Python yaml

- Development Tools – DB

SSMS SQL Developer DBeaver

- Development Tools – IDE

VS Code IntelliJ