**Victoria Sandford**

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**Education**

**IMPERIAL COLLEGE LONDON**

MSc Environmental Technology           2008-2009

Thesis: “Proposing a methodology for a soil typology classification using simple indicators utilising data collected by the public”.

**BIRKBECK COLLEGE, UNIVERSITY OF LONDON**

BSc Biological Sciences 2004-2008

1st Class Honours

**Experience**

**AICORE**                             **Remote**

**Data Analytics Trainee**  October 2022 – March 2023

AiCore is a specialist AI & data career accelerator from which I completed several industry-level projects to gain vital experience in data analysis and data management.

[Data Analytics Migration to Tableau](https://github.com/VictoriaKinkajou/aicore-data-analytics):

* Used Python Pandas to ingest, integrate and clean 10 years of flight data containing millions of records each.
* Saved the cleaned data in an integrated CSV file.
* Stored the data in an AWS PostgreSQL RDS (database) and connected it to Tableau to enable data exploration and data visualisation.

[Data Collection Pipeline](https://github.com/VictoriaKinkajou/data-collection-pipeline):

* Developed an application utilising Selenium Webdriver with Python to scrape image and tabular data from a website, storing it in a .json file.
* Implemented testing to ensure scraper’s functionality.
* Containerised the scraper in a Docker image making it easily deployable.
* Developed a CI/CD pipeline using GitHub actions to ensure the image was updated on DockerHub on push.

**LEIDOS Whiteley, Hampshire, UK Integration and Verification Engineer January 2017 – June 2017**

* Responsible for preparing documentation for the integration and verification of the client’s air traffic controller platform and large data storage repository, as part of the Single European Sky ATM Research programme (SESAR).
* Developed initial draft test plans and test cases using Jira.

**CARALLON London, UK Software Tester January 2011 – March 2016**

* Experience testing desktop and web-based software at all stages of the development lifecycle, including support to clients.
* Applied a high level of attention to detail and diligence in order to perform exploratory, regression and integration testing. Through smoke testing, brought client snapshot failures down to zero.
* Used problem-solving skills to determine the cause of a bug, find the most reliable method to reproduce it and communicate this concisely in a bug report. Submitted over 200 valuable bug reports.
* Optimised quality assurance processes, developed test plans and wrote test cases.
* Used MySQL to query relational database, add and edit records, and remove or merge duplicate information.

**NORGINE Uxbridge, UK Product Management Assistant August 2010 – December 2010**

* Researched new product development opportunities through journals and direct contact with scientists.
* Restructured large Excel spreadsheets, adding conditional formatting and filters to enable easier access to data.

Non-technical skills:

* Excellent verbal and written communication
* Analytical mind and high level of attention to detail
* Proactive and eager to learn
* Flexible and helpful team player