

EMILE ALEXANDER GILL

34 Aspenlea Road, Hammersmith, London W6 8LJ

+44 7552 250181 ◊ emilegill743@hotmail.com

[linkedin.com/in/emile-gill/](https://www.linkedin.com/in/emile-gill/) ◊ github.com/emilegill743/ ◊ emilegill743.github.io/

SUMMARY

Senior Data Analyst with strong Python skills and experience working across the data life-cycle: web scraping, data manipulation and cleaning, building ETL pipelines, data visualisation. Avid self-learner, passionate about leveraging data to solve business problems, eager to apply these skills in data science opportunities.

EDUCATION

Imperial College London - BSc Physics

2015-2018

Thesis: "Inertial Confinement Fusion: A Critical Analysis of the Likelihood of Achieving Ignition at the National Ignition Facility"

King Edward VI Five Ways Grammar School

2008-2015

A-levels - A*A*A*A:

Physics A* (98% avg); Math A* (99% avg); Further Math A (88% avg); Chemistry A* (95% avg)

AS levels: Biology A (99% avg)

GCSEs: 8 A* grades and 6 A grades

EXPERIENCE

AccorHotels

Jan 2020 - Present

Senior Data Analyst

- Overseeing a project alongside the Accor Central Head Office in Paris to integrate our ETL practices in Northern Europe with a new global centralised data warehouse. The data warehouse will be based in Snowflake and connected to the Dataiku Data Science Platform, with the intention of centralising our global data practices and expanding the analytical capability of the company.
- Introduced Git version control in the team, along with a simple Kanban workflow for managing product development with code reviews in place to ensure reliable deployment, as well as aiding the development of more junior team members.

Nov 2018 - Jan 2020

Data Analyst

- Working as part of the Business Insights and Analytics team for the Northern Europe Head Office of Accor, the largest hotel group in the world outside of the US, in a Data Analyst/BI Developer role.
- Automated the daily ETL process of the team:
 - Extracting data from third party sources using scheduled Python scripts, implementing webscraping libraries such as requests, selenium and BeautifulSoup.
 - Extensive use of the pandas library to transform, clean and validate data.
 - Use of VBA to automate the process of loading and visualising data in interactive Excel reports.
 - Implementing these processes increased the efficiency of our team by ~400%, replacing many tasks which were previously performed manually (team of 4 working 7-11am automated to require only monitoring 7-8am).
- Pushed the team to adopt data science techniques and introduced a structured product development process using Jupyter notebooks for ad-hoc exploratory data analysis, followed by development into structured scripts using Visual Studio IDE.
- Liaising with key stakeholders of projects, i.e. Directors and Revenue Managers, to discuss project requirements and consult on strategy for the Revenue Management and Business Insights teams to roll out new projects.

- Developed a new Weekly Revenue Report, rolled out across Northern Europe, consisting of an interactive Excel-VBA workbook, designed to give an overview of, and outlook for, revenue performance for weekly strategy meetings between Revenue Managers and General Managers.
- Mentored more junior members of the team and developed a structured learning approach to develop programming and data science skills in the team, cultivating a knowledge sharing culture.

Education Partnerships Africa

Sept 2018 - Sept 2019

Information Management Officer (volunteer role)

- Sat on the Business Operations committee, liaising with the board of directors and members of other committees on issues regarding IT systems and database management.
- Managing charity databases uploading data to Salesforce CRM for monitoring and evaluating analysis.
- Ensuring data usage practices compliant with GDPR data protection principles.
- Handling IT systems used throughout the charity, ensuring they are kept up to date, and troubleshooting any technology issues.

INTERESTS AND ACHIEVEMENTS

Imperial College Football Team Captain 2017/18

- Presented speech at AGM, running against fellow members, to be elected into the role.
- Selected and managed squad of more than 30 members, running weekly training sessions.
- Liaised with other committee members in bi-weekly meetings.
- Communicated with referees and opposition captains, university sports coordinators to plan and execute Wednesday and Saturday fixtures throughout the year.

Duke of Edinburgh Awards

- Completed Bronze, Silver and Gold DofE Awards.

National Science Competitions

- Silver Award in the British Physics Olympiad (*2015*)
- Silver Awards in the AS Physics Challenge and AS Chemistry Challenge (*2014*)

Secondary School Honours

- Awarded a leaving exhibition by King Edward VI Five Ways School in recognition of a successful career at the school.

TECHNICAL SKILLS

Programming Languages Software & Tools

Python (pandas, numpy, selenium, requests, matplotlib, bokeh; OOP); VBA; SQL
VS Code, GitHub