

EMILE ALEXANDER GILL

34 Aspenlea Road, Hammersmith, London W6 8LJ

+44 7552 250181 ◊ emilegill743@hotmail.com

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

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 – Northern Europe Head Office, London

Business Insights and Analytics Team

Senior Data Analyst

Jan 2020 - Present

- Taking the technical lead on data projects in Northern Europe and collaborating with the Accor Central Head Office in Paris to integrate our ETL practices across Europe and centralise our approach.
- Introduced Git version control to the team, along with a simple Kanban workflow for managing product development, and code reviews to ensure reliable deployment of scripts.
- Continued mentoring of more junior members of the team, with a structured learning approach to develop programming and data science skills in the team, cultivating a knowledge-sharing culture.

Data Analyst

Nov 2018 - Jan 2020

- Developed Python scripts to extract data from third-party sources on a daily schedule, implementing web-scraping libraries such as requests, selenium and BeautifulSoup. Extensive use of the pandas library for transformation, cleaning and validation in data pipelines.
- Modernised the ETL practices of the Business Insights Analytics Team; migrating legacy processes, relying heavily on manual extraction and processing of data and Excel-VBA reporting, to scheduled Python scripts, serving Power BI dashboards. Implementing these processes increased the efficiency of our team by ~400%, automating what previously required a team of 4 working 7-11am, and allowed us to expand the portfolio we report on from ~100 to >500 hotels.
- Use of VBA to load and visualise data in interactive Excel reports. Including a weekly revenue report, rolled out across Northern Europe for weekly strategy meetings between Revenue Managers and General Managers, detailing revenue performance by date, market segment, booking channel etc.
- 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.

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 evaluation, ensuring data usage practices compliant with GDPR data protection principles.

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; liaising with other committee members in bi-weekly meetings.
- Communicated with referees, opposition captains and 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 and AS Chemistry Challenges (*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	Python (pandas, numpy, selenium, requests, matplotlib, bokeh; OOP); VBA; SQL; HTML; CSS
Software & Tools	VS Code, Jupyter Notebook, Git/GitHub, Power BI, PostgreSQL/pgAdmin4