

Hugsney Ferreira

Data Scientist

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<https://hugsneyf.github.io/HugsneyPortfolio/>

PROFESSIONAL PROFILE

Over 9 years of experience in data analysis plus 3 years working with Python, SQL, and Excel. Throughout my career, I have honed strong skills in designing dashboards utilizing Excel, for reports on a daily, weekly, and monthly basis. Moreover, I successfully build programs that automate various tasks, resulting in significant time savings. In addition to my degree in Business and in Software Engineering at Imperial College of London, I am currently pursuing a bachelor's degree in Data Science.

KEY TECHNICAL SKILLS

Programming Languages

- Python: Pandas, Selenium, OS, XlsxWriter, Numpy & Autopi - GUI
- SQL: Data querying & manipulation
- Frontend: HTML, CSS & JavaScript
- Java: For applications

Data Analysis & Visualisation

- Tableau, Looker & Excel

Automation & Scripting

- Automation: Python, VBA & AppScript
- Data Reporting: XlsxWriter & Excel

OTHER SKILLS

- Soft Skills: Organization, Strong problem-solving, Attention to detail, Leadership & Teamwork
- Languages: English | Portuguese | Italian | Spanish

RELEVANT EXPERIENCE

Data Analyst

Feb 2023 – Present

GROUP NEXUS, LONDON

Key Responsibilities:

- Data Reporting: Responsible for managing reports on a daily, weekly, and monthly basis, providing actionable insights for stakeholders.
- Data Management: Handling large datasets, ensuring data quality, integrity, and security through effective data management techniques.
- Data Automation: Utilised tools to automate recurring tasks, resulting in significant time savings and enhanced data accuracy.
- Dashboard Design: Created interactive dashboards to track key performance indicators (KPIs) and streamline internal reporting processes.
- Automated reports using the XlsxWriter Python library for analysis by developing scripts to streamline work.
- Designed interactives maps on google, to produce visual information that brings new insights.
- Worked on a data migration project from Azure to Google BigQuery for Looker data visualization.
- Develop interactive spreadsheets on Google Sheets and Excel to easily track client call reissues and address financial gaps effectively.

Key Achievements:

- Created Python program using Selenium to automate a refund process. This improvement saved 8 people's worth time and increased accuracy by minimising human errors.
- Automated the reporting downloads process using Selenium, resulting in a monthly saving of one week of work time for 3 team members.
- Conducted data analysis on Big Data with Pandas and Numpy, creating and automating dashboards saving about 4 hours weekly.
- Designed and implemented automated Macros sheet in JavaScript (AppScript), resulting in a daily time saving of approximately 1 hour.
- Selected for a company-sponsored Software Engineering course, enhancing my skills in automation and contributing to advanced development projects.

Electronic Compliance Officer

Sep 2020 – Jan 2023

HEALTH VISION UK, LONDON

Key Responsibilities:

- Facilitated communication between individuals in need to their careers, working with a team of nearly 400 carers.
- Assessed potential health and safety risks by collaborating with reports information management.
- Analysed large datasets, including over 10,000 weekly calls, to extract insights and identify trends within the healthcare sector.
- Embraced continuous improvement by identifying process bottlenecks and recommending optimisations through Scrum methodology.

Key Achievements:

- Utilised Python and SQL to analyse datasets from Mobizio and Access People Planner, resulting in a daily time saving of approximately 3 hours by automating manual tasks.
- Spearheaded the implementation of a text message system that reduced call volume by 40%, improving team efficiency and response times.

Data Analyst – Accounts Payable

Sep 2015 – Feb 2019

CORPORATE SOLUTIONS AND TECHNOLOGY CENTER - ALGAR, MINAS GERAIS, BRAZIL

Key Responsibilities:

- Conducted audits of travel documents and receipts, ensuring compliance with regulations and secure archiving.
- Improved internal communication and knowledge by delivering training sessions and updating employees on changes.
- Collaborated with the risk management team to analyse and mitigate potential risks associated with travel expenses.
- Managed the volume and deadlines for invoice entries, utilizing PowerBI, and efficiently allocating tasks to the appropriate team.

Key Achievements:

- Started conducting analysis that successfully reduced by over 5% the amount expends (around £100k per month) in travel expenses.
- Streamlined the reserving process for employees within 5 days by creating new documentation formats.
- Automated the data analysis process for travel expenses, saving 3 hours a day by using VBA to develop macros.

Facilities Manager - Volunteering

Sep 2013 – Feb 2016

SHALOM COLLEGE OF HIGHER EDUCATION, MINAS GERAIS, BRAZIL

Key Responsibilities:

- Managed and maintained campus facilities, ensuring classrooms and communal areas were in optimal condition for both students and staff.
- Coordinated the allocation of rooms and resources for academic sessions and extracurricular activities.
- Oversaw student attendance data, ensuring accuracy and timely reporting for administrative use.

Key Achievements:

- Launched campus-wide sustainability initiatives, including energy-saving measures and waste management programmes, which resulted in a 5% reduction in energy consumption monthly.
- Implemented a excel attendance counting, leading to a 40% reduction in errors and enabling better monitoring of student attendance.

Freelance works

Key Responsibilities:

- Developed backend solutions using Python for data analysis and automation tasks, improving efficiency and accuracy in client projects.
- Created dynamic Excel reports, generating weekly analytics and actionable insights for client performance reviews.

Key Achievements:

- Automated payment processing for 1,500 employees weekly using Python and Selenium, reducing processing time by one full day and improving accuracy.
- Designed in Excel solutions with XlsxWriter, resulting in more efficient reporting workflows and reducing manual input by 100%.

OTHER PROJECTS

Frontend Projects

- [Travel Guide Website](#): University project focused on building an informative website that offers a clean, user-friendly interface with easy navigation for comprehensive travel guide. Utilised HTML and CSS.
- [Google Page Clone](#): Recreated Google's homepage design to practice and showcase proficiency in HTML and CSS.

Application in Java

- [Java Application Development](#): Developed a Java application for university coursework, incorporating key object-oriented programming concepts such as classes, inheritance (extends), and data handling.

EDUCATION & CERTIFICATIONS

BA - Data Science and computing

Oct 2022-Present

Birkbeck, University of London – UK

Bootcamp - Software Engineer – Ranked 1 out of 310 students

2023 – 2024

Imperial College London – [Portfolio Certification](#) - UK

BA - Business, Accounting and Communication – First Grade

2008 – 2013

University Center of Triangulo – Brazil