

Konstantinos Valourdos

Data Analyst

📍 Hampshire

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PROFILE

Data analyst with a First Class MChem from the University of Sussex and RSC prize recipient for best presentation. Proficient in Excel, SQL, R, Python, and Power BI, with expertise from the Google Data Analytics Bootcamp. Seeking fulfilling opportunities to apply scientific rigour and analytical skills to deliver impactful, data-driven insights.

EXPERIENCE

South East Water

Chemistry Analyst

December 2021 - July 2023

- Oversaw and achieved expertise on data management and analysis for 7 out of 11 laboratory methods.
- Improved analysis efficiency by 30% through workflow optimization and process automation.
- Enhanced operational continuity by identifying risks and implementing preventive measures through predictive QC trend analysis.
- Resolved all critical audit findings by conducting data evaluations and collaborating with QC teams.
- Ensured data accuracy and integrity by cleaning, validating, and analysing test results before integration into the LIMS system.
- Provided tailored data insights to meet client-specific needs by collaborating with cross-functional teams and reanalysing key datasets.

Chemistry Technician

September 2021 - December 2021

- Ensured accurate and timely data entry into the Laboratory Information Management System
- Reliably supplied reagents and apparatus for a 24/7 lab, through careful asset management.
- Conducted daily QA tests on apparatus and reagents, ensuring compliance with standards.
- Managed archiving and destruction of lab data using spreadsheets for efficient tracking.

PORTFOLIO

Google Data Analytics

Professional Certificate

February 2024 - July 2024

Independent Projects

July 2024 - Present

For detailed insights and additional projects, explore my portfolio at costaras.github.io/KostasValourdos.

Marketing Case Study

- Optimized data collection and preparation using a custom C# import script for SQL Server.
- Delivered data-driven actionable insights on feature investment with a post-analysis plan.

Housing Data Cleaning

- Cleaned housing data using SQL for formatting, missing values, and duplicates.

Global Covid Data Exploration

- Analysed COVID-19 data using SQL for infection, death rates, and vaccination insights.

Wiki Web Scraping

- Built a scalable Python web scraper to automate data extraction of video game sales data.

Automated File Sorter

- Automated file organisation with Python, boosting productivity.

Power BI Dashboard

- Created an interactive Power BI dashboard showing key insights from a comprehensive data professional job survey.

EDUCATION

University of Sussex

First Class

MChem Chemistry, Sep 2016 - June 2020

Mechanochemical Reasearcher

Masters Researcher

- Innovated a sustainable mechanochemical route for synthesizing critical pharmaceutical compounds, enhancing efficiency, reducing costs and environmental impact.

Junior Research Associate

- Formulated a novel green synthetic route for a crucial pharmaceutical scaffold, by adapting an existing reaction to mechanochemistry.

Simulation Developer

Volunteer Junior Research Associate

- Created molecular dynamics simulations using Python, aiming to advance solar panels, merging chemistry knowledge with coding skills.

SKILLS

Data Analysis

Strong analytical skills with expertise in pattern recognition and statistical analysis.

Data Management

Proficient in SQL and relational databases for efficient data storage and retrieval.

Data Visualisation

Skilled in creating insightful visualizations using Tableau, Power BI, Python, and R.

Technical Proficiency

Advanced in Excel, Python, R, and SQL for data manipulation and automation.

ACHIEVEMENTS

Google Data Analytics Certified

First Class MChem Degree

Best MChem presentation

President of the University Chemistry Society

Organized seminars with external speakers and social events for members.

LANGUAGES

English: ■■■■■ | Greek: ■■■■■ | French: ■■■■■

LINKS



linkedin.com/in/konstantinosval/



kaggle.com/KostasVal



github.com/Costasval



upwork.com/freelancers/kostasval