

# Konstantinos Valourdos

Data Analyst

📍 Hampshire

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## PROFILE

Data analyst with a First-Class MChem from the University of Sussex and RSC Best Presentation Prize honoree, proficient in Excel, SQL, R, Python, and Power BI—with hands-on expertise from the Google Data Analytics Bootcamp and currently enrolled in the Google Advanced Data Analytics Certificate—seeking to leverage scientific rigor and innovative problem-solving to drive impactful, data-driven insights.

## PORTFOLIO

### Independent Projects

July 2024 - Present

For detailed insights and additional projects, explore my portfolio at [costaras.github.io/KostasValourdos](https://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.

## CERTIFICATES

### Google Data Analytics

Professional Certificate

January 2024 - July 2024

### Google Advanced Data Analytics

Professional Certificate

In progress

## 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 4/4 major audit findings by conducting data evaluations and collaborating with QC teams.
- Achieved 95% timely analysis rate by optimising data accuracy and integrity of the analytical process.
- Rapidly delivered tailored data insights meeting client-specific needs by collaborating with cross-functional teams and reanalysing time-sensitive 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.

## 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/

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kaggle.com/KostasVal



github.com/Costaras

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upwork.com/freelancers/kostasval