**Konstantinos Valourdos**  
**Data Analyst**  
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**NOTE:** This is the ATS-friendly version of my CV.  
Find my original CV [[here]](https://costaras.github.io/KostasValourdos/MyCV.html).

**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.

**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.

**South East Water – Chemistry Technician**

*September 2021 - December 2021*

* Managed data entry into the Laboratory Information Management System (LIMS).
* Ensured compliance by conducting daily QA tests on reagents and apparatus.
* Maintained asset management for a 24/7 laboratory.
* Archived and tracked lab data using spreadsheets.

**Certifications & Projects**

**Google Data Analytics Professional Certificate**

*Feb 2024 - July 2024*

**Independent Projects**

*July 2024 - Present*

* **Marketing Case Study:** Optimized data processing with a custom C# SQL script, delivering actionable insights.
* **Housing Data Cleaning:** Standardized and cleaned housing datasets using SQL.
* **Global COVID-19 Data Exploration:** Analyzed infection, death rates, and vaccine distribution using SQL.
* **Wiki Web Scraper:** Built a Python-based scraper to extract video game sales data.
* **Automated File Sorter:** Streamlined file organization using Python automation.
* **Power BI Dashboard:** Developed an interactive dashboard visualizing job market insights.

**Portfolio:** [costaras.github.io/KostasValourdos]

**Education**

**University of Sussex**

*First-Class MChem in Chemistry (2016 - 2020)*

**Research Experience:**

* **Masters Researcher:** Developed a sustainable mechanochemical synthesis route for pharmaceuticals, reducing costs and improving efficiency.
* **Junior Research Associate:** Designed a novel green synthetic route for pharmaceutical scaffolds.
* **Simulation Developer:** Created molecular dynamics simulations using Python to advance solar panel research.

**Skills**

* **Data Analysis** – Pattern recognition, statistical analysis, trend identification
* **Data Management** – SQL, relational databases, ETL processes
* **Data Visualization** – Power BI, Tableau, R
* **Technical Proficiency** – Excel, Python, R, automation scripting

**Achievements**

* **Google Data Analytics Certified**
* **First-Class MChem Degree**
* **Best MChem Presentation Prize**
* **President, University Chemistry Society** (organized seminars, speaker events)

**Languages**

* **English:** ★★★★★
* **Greek:** ★★★★★
* **French:** ★★☆☆☆

**Links**

* **LinkedIn**
* **GitHub**
* **Kaggle**
* **Upwork**