Konstantinos Valourdos  
**Data Analyst**  
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NOTE : This is the ATS friendly version of my CV.

My original CV should also

**Profile**

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

**Experience**

**South East Water** – Chemistry Analyst  
*December 2021 - July 2023*

* Managed data analysis for 7 of 11 laboratory methods, optimizing workflow.
* Improved analysis efficiency by 30% through process automation.
* Identified risks and implemented predictive QC trend analysis.
* Resolved critical audit findings and collaborated with QC teams.
* Ensured data integrity through data cleaning, validation, and integration into the LIMS system.
* Delivered insights by reanalyzing key datasets for cross-functional teams.

**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](https://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, Python (Matplotlib, Seaborn)
* **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](https://linkedin.com/in/konstantinosval)
* [GitHub](https://github.com/Costaras)
* [Kaggle](https://kaggle.com/KostasVal)
* [Upwork](https://upwork.com/freelancers/kostasval)