

# Lucas Fagliano

DATA LITERACY OFFICER · DATA ENGINEERING AND ARCHITECTURE

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## Work Experience

### Armed Conflict Location and Events Data Project (ACLED)

Remote

DATA OFFICER

April 2022 - Present

- Developed the external R and Python packages for the organization, aimed at data gathering, data cleaning, and data analysis.
- Developed the internal R packages of the organization.
- Deployed the organization's Apache Airflow server, github infrastructure structure, centralizing our team's repositories and optimize existing workflows through CI/CD pipelines.
- Implemented multiple Data Engineering, Excel, R, Tableau and data management trainings for a wide range of staff across the organization.
- Developed dashboards and ETL pipelines to support other teams in the organization, such as Business Intelligence and Communications.
- Created multiple web applications to deploy our data and analysis, including the use of Shiny, Quarto and Jupyter notebooks.
- Created documentation for a variety of projects and external-facing applications.
- Optimized multiple data management scripts, including the usage of Bash, SQL, R and Python, transforming them into automatized ETL pipelines.
- Managed different aspects of the data team's cloud infrastructure, primarily in DigitalOceans, including setting up new servers, managing networking, and troubleshooting problems across droplets.

### Caucasus Research Resource Center (CRRC)

Tbilisi, Georgia

INTERNATIONAL RESEARCH FELLOW

August 2021 - May 2022

- Developed large datasets on official diplomatic communications and social media data, including the use of quantitative text models (supervised and unsupervised classification models).
- Assisted in the analysis and development of quantitative research projects in digital disinformation, and strategic developments in Georgia, including the use of regression and clustering models.
- Assisted in the implementation and design of multiple nation-wide surveys for international organizations.

### The Hague Centre for Strategic Studies (HCSS)

The Hague, Netherlands

ASSISTANT ANALYST

August 2019 - February 2020

- Co-authored and contributed to numerous reports in national security planning, hybrid threats and strategic foresight. While also providing assistance in projects regarding multi-domain operations, interstate military conflict and security sector reform.
- Strengthened and drafted the research design of several projects along the lines of security sector reform, hybrid threats, national security planning and strategic foresight.
- Prepared ETL pipelines and visualizations through Tableau, Tableau Prep and SQL, combining datasets from different sources and utilizing them to support research projects at the think tank.

## Certificates

2022 **Hertie School Data Science Summer School (07/2021 & 08/2022)**, Hertie School Data Science Lab

Expected  
02/2024 **Certified Kubernetes Administrator (CKA)**, Linux Foundation

Expected  
01/2024 **Kubernetes and Cloud Native Associate (KCNA)**, Linux Foundation

Expected  
03/2024 **IBM Data Engineering Professional Certificate**, Coursera

## Education

### Leiden University, Jagiellonian University, Charles University

Netherlands, Poland, Czechia

HONORS, JOINT MA IN INTERNATIONAL AREA STUDIES - EUROPEAN POLITICS AND SOCIETY

September 2018 - August 2020

- Extensive training in qualitative and quantitative methods. Courses in research methodologies and intensive research training at the Pompeu Fabra University in Spain.
- Relevant coursework such as: Comparative politics, Quantitative methods for social science, International security, and EU affairs.
- Thesis: "Finding the European Union's grand strategy: Understanding the role of the Commission in formulating grand strategy." - Grade: 8.1 at Leiden University.

