



# Maciej Milanowski

## Data Scientist|Database Engineer

An engineer passionate about Data Science and Machine Learning.  
Holder of Data Scientist Associate certification from DataCamp.  
Member of the winning team at GreenHack2023 hackathon.  
Author of an open-access scientific article for Journal "Energies".  
Currently studying to obtain the AWS Solutions Architect Associate Certification.

## Contact

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### Address

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### [LinkedIn profile](#)

### [GitHub profile](#)

## Education

2019 - 2021

### Master in Power Engineering

Technical University of Valencia

2016 - 2019

### Bachelor in Energy Engineering

University of Life Sciences in Poznan

## Expertise

- Python (Pandas, Numpy, Scikit-learn)
- SQL
- FAME
- Powershell
- Engineering

## Languages

English (fluent)

Spanish (fluent)

Polish (native)

Czech (fluent)

German (intermediate)

## Experience

### Nov 2021 - Present

Moody's Analytics | Prague, Czechia

#### Database Engineer

Maintaining and developing large databases with macroeconomic time series (SQL, FAME)  
• Automating ETL (data extraction and entry) processes (Python, Powershell) • Data wrangling and analysis with Python • Estimating time series (Pyhon, FAME) • Ensuring data quality • Collaborating with the Research team to bring insights for the clients • Responding to clients' inquiries • Writing KB articles for Data Buffet®

### Jul 2020 - Sep 2020

Hot Solar | Poznan, Poland

#### Solar PV Engineer

Designed photovoltaic installations <50 kW using AutoCad, PVsyst, K2base, and more • Designed and executed installation projects • Consulted technical issues with the clients • Prepared documentation regarding the installation projects • Worked with K2 base mounting systems and others

### Apr 2019 - Jun 2019

ZEVO Pražské služby a.s. | Prague, Czechia

#### Assistant SCADA Engineer

Erasmus+ traineeship • Assisted PLC programmers in development and deployment of the SCADA system for the operation team • Participated in decommissioning of old boilers at the power plant • Prepared documentation regarding GHG emissions vs green energy production for carbon tax adoption

## Achievements and Certifications

### Jul - Aug 2023

**Designing Data Lakes on AWS** [Link](#)

**AWS Cloud Technical Essentials** [Link](#)

### Jul 2023

**Databricks Lakehouse Fundamentals** [Link](#)

### Jun 2023 - Jun 2025

**Certified Data Scientist Associate in Python - Datacamp**

[Link to the certificate](#)

### Jun 2023

**Winner of the GreenHack2023 hackathon and ČEPS prize**

[Link to my project](#)

### Nov 2022

**Author of an open-access scientific paper for Journal "Energies"**

[Link to the article](#)

### Aug 2022

Johns Hopkins University via Coursera

**Mathematical Biostatistics Boot Camp** [Link](#)