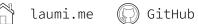
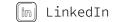
Michal Lauer











+420 774 250 360

WORK EXPERIENCE

DATA SCIENTIST INTERNSHIP | IBM CLIENT ENGINEERING

May 2023 - July 2023 | Prague

- → Used **PySpark** and **SQL** to analyze, filter and derive new features.
- → Practiced **MLlib** methods (regression, classification).
- → Learned and trained how to use **Git**, **Github Actions**, and **Docker**.

DATA MANAGER | REMUS - IMPULS FOUNDATION

March 2022 - December 2022 | Prague

- → Successfully delivered 5+ medical analyses in R with dynamic excel outputs and customized html/pdf reports.
- → Prepared R, RStudio, R Markdown and Git work standards in confluence.
- → Modernized infrastructure with replicable code, semi-automatic analyses, and code best practices.

BUSINESS PARTNER MANAGEMENT | DHL IT SERVICES

February 2020 - July 2021 | Prague

- → Analyzed data for monthly charges of ITS customers using **Excel**.
- → Supported two teams with customized **Power BI** dashboards and ETL pipelines.

FREELANCE EXPERIENCE | SELF-EMPLOYED

January 2023 - ongoing | Prague

- → Statistician @ mojestatistika.cz
- → Math, Statistics and R tutor @ doucuji.eu
- → R data engineer @ nutit.cz

PROJECTS

TREATMENT SWITCH ANALYSIS | R MARKDOWN

Novartis | ReMuS - IMPULS Foundation

- → Analyzed treatment switches among ~ 19 000 patients and 17 treatments across four different years.
- → Built custom graphics (sankeys) of treatment progression.

INFRASTRUCTURE MODERNIZATION | R, R MARKDOWN

ReMuS | ReMuS - IMPULS Foundation

- → Used {renv} and R Markdown for reproducible research.
- → Built custom printing processes for HTML and PDF reports.

CONSUMPTION BASED CHARGING | EXCEL

IT Services | DHL IT Services

- → Analyzed, validated, and reported monthly customer charges in **excel**.
- → Investigated issues and communicated across teams to find a solution.

CODE ENGINEERING | R

Freelance work | nutit.cz

→ Optimized R code to handle big data using {vroom}

SHINY APPLICATION | R SHINY, DEVOPS

My own project

- → Developed an **R Shiny** about confidence intervals (link)
- → Used **Docker** and **Github Actions** to automatically deploy it to **GCP**

SKILLS

R LANGUAGE

R • Tidyverse • R Markdown • Quarto • Shinv

OTHER LANGUAGES

SQL • Python • PySpark • Excel

TOOLS

Git • Github Actions • Docker • IBM Cloud

CZECH EDUCATION

PRAGUE UNIVERSITY OF ECO-**NOMICS AND BUSINESS**

MASTERS IN STATISTICS. MINOR IN ECONOMETRICS Sep 2022 - Present | Prague, Czechia

BACHELOR IN DATA ANALYTICS Sep 2021 - Present | Prague, Czechia

BACHELOR IN APPLIED INFORMATICS Sep 2019 - Jun 2022 | Prague, Czechia Logistic models in esport

EDUCATION ABROAD

TEXAS A&M UNIVERSITY

MAYS BUSINESS SCHOOL Sep 2021 - Dec 2021 | Texas, USA Mainly: Introduction to scientific methods in psychology, Databases Overall GPA 3.80

CERTIFICATIONS

R Language

DATA ANALYST ASSOCIATE PROFESSIONAL DATA ANALYST DATA SCIENTIST ASSOCIATE

DevOps

GITHUB ACTIONS DOCKER

LANGUAGES

Czech C2 English C1

PUBLICATIONS

Latest: 2023

See more on orcid.org