JAKUB ZAHUMENSKÝ

German-speaking Data Scientist

+420721980164 | **jakub.zahumensky@gmail.com** | Prague, Czech Republic
LinkedIn | **GitHub** | **Google Scholar** | **Web of Science**

SUMMARY

Multilingual researcher with a proven track record in developing automated tools for scientific data analysis and visualization. Experienced in Python, R, Git/GitHub and Fiji (ImageJ) scripting. Skilled in designing and optimizing analytical workflows, presenting complex results to diverse audiences and adapting quickly to new challenges.

EDUCATION & WORK EXPERIENCE

2022–present
Research assistant
Department of Functional Organization of Biomembranes Institute of Experimental Medicine CAS
Development of analytical tools for automated data processing, analysis and visualization.
Successfully acquired projects and served as both principal investigator and project manager of advanced technology initiatives.

2019
Visiting research scholar
Department of Microbiology and Immunology, Renaissance School of Medicine, Stony Brook University
New York, USA
Establishment of new successful international collaborations, coordination of activities of three independent research groups.

2017–2022
Post-doctoral fellow
Department of Functional Organization of Biomembranes Institute of Experimental Medicine CAS
Development of automated analytical tools, senior researcher and mentor of advanced microscopy.
Data analysis, experiment design and interpretation, publication, performance of advanced microscopy, molecular biology and biochemical experiments.

2011–2016
PhD in Biophysics
Faculty of Mathematics and Physics, Charles University
Researcher, active participation on research grants.

PUBLICATION RECORD

Publications: 15
Citations: 168
h-index: 7

TECH STACK

Python, R, Git, GitHub, bash, statistics, Fiji macro language, data visualization and statistics tools (SigmaPlot, GraphPad)

STRENGTHS

Collaborative mindset
Analytical problem-solver
Quick learner
Multilingual

LANGUAGES

English proficient
German proficient – certified
Spanish advanced
Czech native
Slovak native

COURSES

Git & GitHub - The Practical Guide
Academind (Udemy), 2025

Linux Command Line Bootcamp: Beginner To Power User
Udemy, 2023

6th Prague Autumn School - RNASeq Data Analysis Workshop
Seqme, 2021

Introduction to Next-Generation Sequencing & Next-Generation Sequencing data analysis
Seqme, 2020

Self-Leadership Workshop
European Molecular Biology Organization (EMBO), 2020

Python for Machine Learning & Data Science Masterclass
Udemy – in progress

R Programming A-Z™: R For Data Science With Real Exercises!
Udemy – in progress

Complete A.I. & Machine Learning, Data Science Bootcamp
Udemy – in progress