



CLIFTONSTRENGTHS

Relator

Deliberative

Discipline

Focus

Analytical



HIGHLIGHTS

- author of 25 scientific publications
- speaker at 18 conferences
- expert in 4 commercial projects
- 9 years of teaching experience
- reviewer in 10 scientific journals
- recipient of 3 grants
- member of international associations



EDUCATION

- Maria Curie-Skłodowska University**  Lublin, Poland
2014-2018
Doctor of Philosophy:
Geography (Hydrology)
- Cracow University of Technology**  Cracow, Poland
2012-2013
Master of Engineering:
Environmental Engineering
(Hydroengineering and
Geoengineering)
2008-2012
Bachelor of Engineering:
Environmental Engineering



SOFTWARE

QGIS

ArcGIS

Python 3

R

C#

MySQL

HEC-RAS

WRF-Hydro

AutoCAD 2D

Statistica






WordPress

Krzysztof Raczynski

Researcher with a decade of experience in hydrology, data analysis, and environmental modeling. I specialize in hydrological extremes, mitigation, protection, and adaptation, as well as geospatial analysis. I am passionate about data-driven approaches to advance sustainable solutions in environmental sciences.



WORK EXPERIENCE

- Mississippi State University**  High Performance Computing Center, Starkville, Mississippi, USA
2023-present Assistant Research Professor, Geosystems Research Institute
2021-2023 Postdoctoral Associate, Northern Gulf Institute
 - Creating a collaborative regional drought research program based on observational and model data.
 - Conducting scientific research on drought distribution, detection, and parametrization.
 - Constructing hydrological and statistical streamflow models.
 - Scientific publications and grant applications preparation, participation in conferences and seminars.
 - Conducting GIS trainings on request.
 - Extension publications preparation on the use of GIS software.
- M31EDU LLC**  Starkville, Mississippi, USA
2019-present Founder, Instructor
 - Designing online courses on GIS, SQL, and Python programming.
 - Recording and teaching online courses.
 - Helping students identify and solve problems.
- Maria Curie-Skłodowska University**  Faculty of Earth Sciences and Spatial Management, Lublin, PL
2018-2022 Research and Teaching Adjunct
2016-2018 Research and Teaching Assistant
 - Designing and conducting regional hydrological conditions research programs.
 - Research on detection, parameterization, and modeling of hydrological extremes.
 - Conducting hydrological measurements using the ADCP probe and a hydrometric mill.
 - Instructing and supervising students during field research.
 - Preparing and teaching classes in subjects related to hydrology, statistics, GIS, and modeling, a total of 17 subjects, 240 hours per semester.
 - Creating scientific publications and participating in conferences and seminars.
- Jardox Ltd**  Sevenoaks, Kent, GB
2013-2014 Fine Weight Operative
- Dam Control Center**  Cracow, PL
2011-2011 Office and Field Internship Worker
 - Controlling the stability of reservoir slopes and flood embankments.
 - Preparing design documentation.
 - Preparing GIS projects on the location and course of hydrotechnical facilities.
 - River channel delineation.



PORTFOLIO

www.krzysztofraczynski.net