

## Profile

I'm a **biodiversity data scientist and ecological modeler** who seeks new challenges outside academia. During my scientific career, I acquired in-depth knowledge in areas ranging from **R programming, statistical modeling, database development to independent problem solving and effective communication**. I successfully concluded projects as diverse as predicting the geographical origin of island species, making conceptual contributions to biodiversity data integration, and developing an interactive shiny web application to improve documentation of ecological models. I am also a **passionate learner**, which is reflected by the extracurricular courses I took to strengthen my expertise in Python and machine/deep learning.

## Experience

### Postdoctoral researcher (Mar 2019 - Jul 2021)

Humboldt University of Berlin & University of Potsdam

Shiny application development | Bayesian hierarchical modeling | Predictive ensemble modeling of species invasions | Workshop organization and presentation

### Doctoral researcher (Mar 2015 - Feb 2019)

Georg-August University of Göttingen

Biodiversity data ETL and database development | Global geospatial analyses | Teaching and supervision

## Education

### Georg-August University of Göttingen

Macroecology and Biodiversity data science (2015 - 2019)

Doctor of sciences (Dr. rer. nat.), **predicate: magna cum laude**

### Georg-August University of Göttingen

Biodiversity, Ecology & Evolution (2012 - 2014)

Master of Science (M.Sc.), **final grade: 1.2**

### Hochschule für Technik und Wirtschaft Dresden

Environmental monitoring (2008-2012)

Bachelor of Science (B.Sc.), **final grade: 1.8**

### Extracurricular online courses

6.86x - Machine Learning with Python-From Linear Models to Deep Learning (15 weeks, ~250h online course at MITx on edX)

6.00.2x - Introduction to Computational Thinking and Data Science (9 weeks, ~135h online course at MITx on edX)

6.00.1x - Introduction to Computer Science and Programming using Python (9 weeks, ~135h online course at MITx on edX)

## Achievements & Honors

Successful collaborations with diverse groups of international researchers

17 peer-reviewed publications in international academic journals

More than 10 oral presentations at international conferences

Winner of the 2016 visualization award of the German Ecological society

## Contact

### Address

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### E-mail

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### Phone

+49 152 53474680

## Technical skills

R ●●●●●

Python ●●●●○

Statistics & modeling ●●●●●

Machine learning ●●●●○

Data visualization ●●●●●

SQL & Databases ●●●●○

Geospatial analysis ●●●●●

scikit-learn

PBS/Slurm

R-Shiny

Linux

Git

Bayes

NumPy

GIS

CSS/html

ggplot2

## Professional skills

English ●●●●●

German ●●●●●

Communication ●●●●○

Problem solving ●●●●●

Creativity ●●●●●

Teamwork ●●●●○