

OLIVER C. STRINGHAM

PhD, Scientific Researcher & Data Scientist

I apply scientific rigor and curiosity to solving data science problems.

PROFESSIONAL EXPERIENCE

- 2020
|
present
- **Data Scientist**
Freelance (UpWork & Contract Work) 📍 USA & Australia
 - Machine Learning models to predict daily number of orders for retail company
 - Spatial optimization to determine zones for delivery trucks
 - Spatial clustering methods to categorize property evaluation
 - Quantitative analysis of country-level deforestation rates from spatial data
- 2019
|
present
- **Research Associate (Postdoctoral)**
The University of Adelaide 📍 Adelaide, Australia
 - Applied data science principles to researching wildlife trade
 - Coded over 80 web scrapers to collect data of online wildlife trade
 - Created/maintained MySQL database of >6 million records for wildlife trade
 - Machine learning tools (text classification) to process online data
 - Created web application with python (Flask) for Australian gov't
 - Communicated results in reports, papers, and talks
 - Supervised and lead a team of skilled professionals
- 2015
|
2018
- **PhD Researcher & Teaching Assistant**
Rutgers University 📍 New Jersey, USA
 - Researched the online pet trade of reptiles and their invasion risk
 - Taught courses: General Biology, Ornithology, Plant Ecology
 - Worked in an interdisciplinary international team of scientists
- 2015
- **Geospatial (GIS) Technician**
New Jersey Depart. of Fish & Wildlife 📍 New Jersey, USA
 - Performed geospatial analyses for endangered species programs
 - Used python to automate geospatial processes previously done manually
- 2015
- **Geospatial (GIS) Analyst**
Harbor & Estuary Program, Hudson River Foundation 📍 New York, USA
 - Performed spatial analyses regarding public access to waterways in NYC/NJ

EDUCATION

- 2018
- **Rutgers University**
PhD in Ecology & Evolution 📍 New Jersey, USA
- 2014
- **Rutgers University**
BS in Environmental Science 📍 New Jersey, USA
Certificate in GIS (Geographic Information Systems) 🌐

TECHNICAL PAPERS

- 2021
- **Text classification to streamline online wildlife trade analyses**
PLOS ONE
<https://doi.org/10.1371/journal.pone.0254007>



✉ oliverstringham@gmail.com

🌐 oliverstringham.com

in [LinkedIn](#)

Up [UpWork](#)

🔍 [Google Scholar](#)

🐙 [GitHub](#)

For more information, please
contact me via email.

PROGRAMMING

R / tidyverse
Python / pandas / Flask
SQL / PostgreSQL / MySQL
git / GitHub
HTML / CSS / Javascript

DATA ANALYSIS

Machine Learning, Regression:
scikit-learn / tidymodels
Geospatial Analysis:
sf / geopandas / PostGIS
Data Visualization:
ggplot2 / seaborn

Last updated on 2022-03-05.

*This resume was made with the R
package [pagedown](#).*

2020

- **A guide to using the internet to study the wildlife trade**
Conservation Biology
<https://doi.org/10.1111/cobi.13675> (PDF)
- **19 scientific papers, >200 citations**
[Google Scholar Profile](#)