Megan Stachura

Social-impact driven data engineer, analyst, and project manager with over 14 years of experience automating data pipelines, statistically analyzing data, and managing complex projects using Python, SQL, R, and AWS

mstachur@gmail.com
LinkedIn
Personal Website
Google Scholar Publications

EXPERIENCE

Data Management & Analytics Consultant – 2024

- Building databases and software to enable data collection, management, and analysis for growing teams, using Python, SQL, and AWS RDS

Analytics Engineer, Data Analyst – Remitly, 2021 - 2023

- Conducted analyses to find ways to better support our immigrant customers making critical money transfers through product and customer service improvements, including designing and implementing data dashboard in Tableau and Sisense Periscope, planning and analyzing app experiments, and presenting resource investment analyses
- Architected, built, and maintained marketing and product team data pipelines and infrastructure for insights, using Python, Spark, SQL, Scala, and AWS Redshift and S3
- Designed dimensional data models to follow best practices within historical and resource limitations
- Worked with vendors to access business critical marketing data through file extracts and API connections
- Collaborated with business stakeholders to identify data needs and plan project goals and timelines, then carried out projects within an agile framework

Senior Scientist, Scientist – Four Peaks Environmental Science & Data Solutions, 2018 - 2021

- Led projects studying and mitigating impacts of hydroelectric dams on fish passage, serving as project manager for up to 4 projects at a time with budgets over $600K annually, authoring 5 reports of project findings
- Architected, built, and maintained data pipelines using Python, SQL, MySQL, SQL Server, and AWS S3 and Lambda
- Built data dashboards/visualization and conducted statical analyses using Python, R, and ArcGIS

Research Associate, Policy Fellow – U.S. National Marine Fisheries Service, 2014 - 2018

- Proactively identified, planned, and implemented projects to automate collection, management, and summary of data into text and figures for regular reporting utilizing R
- Developed complex statistical and simulation models in R to inform sustainable fisheries management and policy

SKILLS & TOOLS

Data Processing & Management

SQL, Python (pandas, numpy), R (dplyr, R Markdown), AWS (Redshift, S3, Lambda, EC2, RDS), Scala, Spark, Jenkins, Azkaban, Amundsen, Excel

Statistics & Machine Learning

Logistic regression, Bayesian hierarchical models, bootstrapping, cluster analysis, principal component analysis

Data Visualization

R (Shiny, ggplot2, plotly), Python (matplotlib, seaborn, plotly), Tableau, Sisense Periscope, ArcGIS

Project Management

Jira, Trello, Monday, budgeting

Communication & Collaboration

Git (GitHub, CodeCommit); Authored 16 scientific and 16 general audience articles; WordPress and HTML for website development

EDUCATION

Training & Courses

Motherhouse Starter Series (Land Justice Futures, 2024), Regenerative Leadership (Regenerators Academy, 2024), Regenerative Economics and Finance (The Capital Institute, 2023-2024), Creating a Thinking Environment (Inspiring Leadership International, 2022)

Master of Science in Aquatic & Fishery Sciences – University of Washington, 2013

Statistically identified common patterns and potential drivers across fish stocks

Bachelor of Science in Marine Science & Biology – University of Miami, 2010

Magna cum laude; minor in Mathematics