

# Megan Stachura

Social-impact driven data engineer, analyst, and project manager with over 15 years of experience building scalable data models and pipelines using cloud platforms, statistically analyzing and visualizing data, and managing complex projects using Python, SQL, R, and AWS

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[LinkedIn](#)

[Personal Website](#)

[Google Scholar Publications](#)

## WORK EXPERIENCE

### Data Management & Analytics Consultant – 2024 to Present

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

### Analytics Engineer, Data Analyst – Remitly, 2021 to 2023

- Architected, built, and maintained marketing and product team data pipelines and infrastructure for insights, using Python, Spark, SQL, Scala, AWS Redshift and S3, and APIs, implementing unit and quality testing
- Collaborated with business stakeholders to identify data needs and plan project goals and timelines, then carried out projects within an agile and version control framework
- Conducted analyses to find ways to better support our immigrant customers making critical money transfers, including designing and implementing dashboard in Tableau and Periscope, planning and analyzing A/B app experiments, and presenting resource investment analyses
- Designed new and improved existing dimensional data models to enable scalability, optimization, and self-service
- Documented data marts utilizing an Amundsen data catalog and trained stakeholders to ensure consistent use

### Senior Scientist, Scientist II & III – Four Peaks Environmental Science & Data Solutions, 2018 to 2021

- Architected, built, and maintained data infrastructure using Python, MySQL, SQL Server, and AWS S3 and Lambda
- 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
- Built data dashboards/visualization and conducted statistical analyses using Python, R, and ArcGIS

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

- Proactively identified, planned, and implemented tools to automate collection and summary of data into text and visualizations for regular reporting using R; trained users
- Developed complex statistical and simulation models in R to inform fisheries management and policy decisions

## SKILLS & TOOLS

### Data Processing & Management

SQL, Python (pandas, numpy), R, AWS (Redshift, S3, Lambda, EC2, RDS, DynamoDB), Scala, Spark, Jenkins, Azkaban, Amundsen, dbt, DataBricks

### Statistics & Machine Learning

Logistic regression, Bayesian hierarchical models, bootstrapping, cluster analysis

### Data Dashboards & Visualization

Python (Django), R (Shiny), Tableau, Periscope, Power BI, Looker, ArcGIS

### Communication & Collaboration

Git (GitHub, CodeCommit), Jira, Trello, Confluence, Slack, Teams, WordPress, HTML, Authored 16 scientific and 16 general audience articles

## VOLUNTEERING

- Native habitat restoration steward on Seattle's Duwamish River since 2016
- Founding member and leader of the Seattle Donut Economics Coalition since 2023
- Supporting foster families through Seattle Angels since 2023

## EDUCATION

### Recent Training

Regenerative Leadership (Regenerators Academy, 2024), Regenerative Economics and Finance (The Capital Institute, 2023-2024)

### 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