

Self-starting and enthusiastic data scientist with 8+ years of experience working with biological data in a variety of coding languages, designing **reproducible quality control, analysis, and visualization workflows**, and presenting results in a range of written and oral formats. Effective at carrying out individual work while also excelling in collaborative team settings and big-picture project management. A bright, adaptable worker who can **successfully lead or assist** on dynamic and ongoing projects.

Code Skills

R · Git · Python · SQL · Quarto · Shiny · GitHub
Spatial Data Management · Data QA/QC · Text Mining
Data Visualization · R Package Development · Statistics

Other Skills

Team Management · Teaching · Web Design
Scientific Writing · Project Documentation · Survey Design
Workshop Development · Science Communication

Data Scientist | LTER Network Office, Santa Barbara CA | Feb. 2022 – Present

- Worked with over 100 researchers spanning 12 working groups to meet their data-related and analytical needs
- Designed and taught workshops on code collaboration with GitHub, R’s Tidyverse, and making Shiny apps
- Managed projects throughout their lifecycle and created documentation to clearly define institutional best practices
- Translated Python and SQL code into equivalent scripts in R
- Designed instructional content for a 9-month course on synthesis science for early career researchers

Adjunct Professor of Biology | Stonehill College, Easton MA | May – July 2023 & 2024

- Designed an 8-week summer course introducing fundamental data science skills to life sciences undergraduates
- Created low- and high-stakes assignment rubrics with course-aligned learning objectives
- Offered holistic feedback on student work and encouraged iterative revision processes
- Helped students develop professional portfolios of their strongest in-class work hosted on GitHub

Data Scientist & Network Administrator | Herbivory Variability Network, Lansing MI | Aug. 2021 – Feb. 2022

- Coded a quality control pipeline in R for a database collected by 200+ collaborators based in more than 30 countries
- Designed a data management plan to standardize post-collection data handling and distribution across the Network
- Revised the set of protocols used to train collaborators before and during data collection
- Created an R Shiny app for preliminary quality assurance and control followed by data submission

Biology Teaching Assistant | University of Georgia, Athens GA | Aug. 2020 – May 2021

- Facilitated students in honing their scientific observation, experimental design, and writing skills
- Designed instructional content for 25 weeks of labs that emphasized critical thinking skills across two semesters
- Provided thorough and constructive written feedback on lab reports as well as on quiz-style assignments
- Aided students in identifying their first independent research question and implementing the subsequent experiment

Code Products

R Package Developer

- Maintainer of 6 packages
- 100s of downloads / month each

R / Python Bilingualism

- Web tutorial for translating between the two languages
- Extensive contributing guidelines for crediting new collaborators

Education

M.Sc. Ecology and Evolutionary Biology
B.Sc. Biology

Teaching Products

Synthesis Skills for Early Career Researchers (SSECR) | LTER Network Office

- Quantitative and team sciences training with a specific ‘synthesis’ focus
- Recruited a range of panelists and guest lecturers
- 9-month course

Programming in R for Biologists | Stonehill College

- Fundamental data science training for biology undergraduates
- 3-month summer course

Collaborative Coding with GitHub | NCEAS

- Short course on version control emphasizing benefits to collaboration
- ~3-hour workshop