

**Self-starting and enthusiastic data scientist** with 8+ years of experience working with scientific data in a variety of coding languages, designing **reproducible quality control, analysis, and visualization workflows**, and sharing 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.

Skills		
Expert	Intermediate	Basic
R · Git · GitHub · Markdown · QA/QC · Quarto Spatial Data · Data Visualization · GLMs Multivariate Statistics · R Package Development Teaching · Project Management · Documentation	Python · Shiny HTML · Text Mining Website Development Team Management	SQL (pgAdmin) · SCSS CSS · Bash · Survey Design Affinity Publisher · Affinity Designer Machine Learning (MaxEnt)

**Data Scientist** | **National Center for Ecological Analysis & Synthesis (NCEAS)**, Santa Barbara CA | Feb. 2022 – Present

- Collaborated with 150+ researchers in 14 working groups to meet data/analysis-related needs
- Created workshops on code collaboration with GitHub, website design with Quarto, and interactive Shiny apps
- Managed separate projects from start to finish simultaneously with agile project management principles
- Wrote and maintained documentation to clearly define within-group best practices and policies
- Translated Python and SQL code into equivalent scripts in R

**Quantitative Skills Instructor** | **Long Term Ecological Research (LTER) Network**, Santa Barbara CA | June 2024 – May 2025

- Recruited design team members, co-instructors, panelists, and guest instructors
- Created project management guidelines for all facets of course design (inside- and outside-facing)
- Lead the design of 7 (of 15) modules personally and collaborated on remaining modules
- Facilitated biweekly class sessions for the 27 students in the 2024 cohort

**R / Python Bilingualism Website Creator** | **Self**, Remote | Jul. 2023 – Present

- Self-taught Python through the lens of ‘translating’ R operations into comparable Python code
- Designed a website to store created bilingualism materials ([njlyon0.github.io/collab\\_bilingualism](https://njlyon0.github.io/collab_bilingualism))
- Designed a range of increasingly complex operations and grouped those pages thematically
- Wrote extensive contributing guidelines for crediting collaborators

**R Package Developer** | **Self**, Remote | Jan. 2023 – Present

- Developed 7 R packages (6 published to CRAN) each containing functions in thematic groups
- Wrote unit tests for majority of functions as well as robust error/warning checks with informative messages
- Created clear function examples and vignettes for all packages
- Functions scopes include: data QC, ordination, image processing, data harmonization, linear model variants, etc.

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

- Designed a course introducing fundamental data science skills to life sciences undergraduates
- Helped students create professional portfolios of their strongest in-class work hosted on GitHub
- Offered holistic feedback on student work and encouraged iterative revision processes
- Created website to openly share course slide decks, rubrics, and policy documents ([njlyon0.github.io/teach\\_r-for-biologists](https://njlyon0.github.io/teach_r-for-biologists))

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

- Designed a QC workflow for standard data collected by 200+ collaborators from more than 30 countries
- Wrote a data management plan to standardize post-QC data handling and distribution
- Revised the set of protocols used to onboard new collaborators on data collection and entry
- Created a Shiny app for preliminary data QA/QC and standardized data submission