David **Failing**

LEAD DATA SCIENTIST

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Proven Data Science Leader adept at building scalable analytics infrastructure, advancing data-driven culture, and distilling complex data into actionable insights. Expert at clear communication and creating data solutions for informed decision-making.

Experience

InsideTracker
Cambridge, MA

LEAD DATA SCIENTIST — *Feb 2023 - May 2023*

SENIOR DATA SCIENTIST — *Dec 2021 - Feb 2023*

- Envisioned, developed, and deployed internal R package for report templating and standardized data processing.
- Optimized performance and reduced processing time by 90% on a critical RESTful API endpoint serving a high-revenue product feature through strategic refactoring using the R Plumber package.
- Instituted automated ticketing system using GitHub Issues and Google Forms to efficiently manage internal consultancy.
- Integrated data from blood, DNA, and wearables to drive product innovation and science-based marketing.
- Initiated and administered Posit Connect based dashboard and reporting system.

RStudio
Boston, MA

DATA SCIENCE EDUCATOR — *Aug 2021 - Jan 2022*

EXERCISE CONTENT AUTHOR — *Jun 2021 - Aug 2021*

- Developed tidyverse curriculum for R users using learnr, gradethis, and RMarkdown.
- Maintained exercises and R packages in a Git repository using Github, including document templates.
- Mentored small groups of novice R users in accelerated, project based short-course format for b2b customers through Posit Academy.

Coconino Community College
Flagstaff, AZ

PART-TIME FACULTY IN MATHEMATICS — *May 2020 - present*

- Teach one web-based general education course per semester for groups of 10-25 students.

Northern Arizona University
Flagstaff, AZ

GRADUATE ASSISTANT — *May 2020 - May 2021*

- Managed and mentored teams of 4-5 students in professional communication on capstone projects for corporate clients.

Lewis University
Romeoville, IL

ASSISTANT PROFESSOR OF MATHEMATICS — *Aug 2017 - Aug 2020*

- Taught undergraduate and graduate level mathematics and data science courses.
- Directed honors program (Scholars Academy) with $125,000 annual budget.
- Co-chaired themed contributed paper session on effective teaching innovation at annual MAA Mathfest (4 years).

Quincy University
Quincy, IL

ASSISTANT PROFESSOR OF MATHEMATICS — *Aug 2014 - May 2017*

- Taught undergraduate mathematics courses.
- Researched and developed inquiry-based courses for mathematics major with support from $2500 external grant.

Skills

- Languages & Platforms: R, SQL, LaTeX, Python, Posit Connect
- R Packages: tidyverse, ggplot2, R Markdown, Shiny/shinydashboard, pins, tidymodels, keras, torch
- Python Libraries: numPy, pandas, Scikit-Learn, matplotlib
- Tools: GitHub & GitHub Projects, RStudio Connect, Jupyter

Education

Iowa State University
Ames, IA

PHD MATHEMATICS — *2013*

Truman State University
Kirksville, MO

BS MATHEMATICS, BA PHILOSOPHY & RELIGION — *2008*