

David Failing

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Experience

Recast

Brooklyn, NY (Remote)

MANAGER, MODEL MAINTENANCE

May 2025 - present

LEAD DATA SCIENTIST

Jul 2024 - May 2025

SENIOR DATA SCIENTIST

Jul 2023 - Jun 2024

- Built and led the Model Maintenance function, scaling a team of 6 data scientists responsible for the operation, quality, and evolution of production marketing models.
- Owned end-to-end hiring, onboarding, and early-career development, supporting promotions into customer-facing data science roles.
- Defined staffing and capacity models (models-per-IC) to scale delivery, increasing throughput while maintaining model quality.
- Partnered cross-functionally with Engineering, Research, Customer Success, Project Management, and customer-facing Data Science to ensure reliable analytics delivery.
- Served as escalation owner for model maintenance issues supporting 65-70 active clients and \$10M+ in ARR, coordinating resolution across teams.
- Coordinated incident response with Engineering during outages and API failures to validate fixes, repair affected models, and restore service.
- Enabled scalable maintenance through diagnostics and run-analysis tooling, reinforcing escalation paths and communication cadences.

InsideTracker

Cambridge, MA (Remote)

LEAD DATA SCIENTIST

Feb 2023 - May 2023

SENIOR DATA SCIENTIST

Dec 2021 - Feb 2023

- Integrated blood biomarker, DNA, and wearable data into analytics pipelines supporting product development and science-based marketing decisions.
- Envisioned, developed, and deployed an internal R package for standardized data processing and report templating, with documentation that reduced new-hire onboarding time by more than 50%.
- Optimized performance and reduced runtime by 90% on a revenue-critical R-based REST API through strategic refactoring using Plumber, improving reliability of a core product feature.
- Instituted an automated intake and tracking system for internal analytics requests, improving visibility and prioritization of internal consulting work.
- Initiated and administered a self-service analytics and reporting platform (Posit Connect) to democratize access to data assets for non-technical stakeholders.

RStudio

Boston, MA (Remote)

DATA SCIENCE EDUCATOR

Aug 2021 - Jan 2022

EXERCISE CONTENT AUTHOR

Jun 2021 - Aug 2021

- Selected as a subject-matter contributor for Posit Academy, developing tidyverse-focused curriculum and hands-on exercises for professional learners using learnr, gradethis, and R Markdown.
- Designed and maintained shared instructional codebases and R packages in GitHub, supporting reusable templates and standardized learning workflows.
- Delivered accelerated, project-based short courses to B2B customers, mentoring small groups of R users and translating best practices into applied data workflows.
- Collaborated with internal education and product teams to refine curriculum based on learner feedback and instructional outcomes.

Coconino Community College

Flagstaff, AZ (Remote)

PART-TIME FACULTY IN MATHEMATICS

May 2020 - present

- Taught web-based general education mathematics courses to cohorts of 10-25 students.

Northern Arizona University

Flagstaff, AZ (Remote)

GRADUATE ASSISTANT

May 2020 - May 2021

- Managed and mentored teams of 4-5 students on client-facing capstone projects, emphasizing professional communication and stakeholder delivery.

Lewis University

Romeoville, IL

ASSISTANT PROFESSOR OF MATHEMATICS

Aug 2017 - Aug 2020

- Taught undergraduate and graduate mathematics and data science courses, with a focus on applied modeling, statistics, and computation.
- Directed the university Honors Program (Scholars Academy), managing a \$125K annual budget and coordinating faculty-led initiatives.
- Co-chaired a national Themed Contributed Paper Session (TCPS) on teaching innovation at MAA MathFest for four consecutive years.

Quincy University

Quincy, IL

ASSISTANT PROFESSOR OF MATHEMATICS

Aug 2014 - May 2017

- Designed and delivered undergraduate mathematics curriculum, including inquiry-based courses supported by an externally funded teaching grant (\\$2.5K).

Skills

- Languages & Platforms: R, SQL, Markdown, \LaTeX , Python
- R Packages: tidyverse, ggplot2, R Markdown, Shiny/shinydashboard, pins, tidymodels, keras, torch
- Tools: GitHub, Github Actions, GitHub Projects, Jira, Confluence, RStudio Connect

Education

Iowa State University

Ames, IA

PHD MATHEMATICS

2013

Truman State University

Kirksville, MO

BS MATHEMATICS, BA PHILOSOPHY & RELIGION

2008