

Ethan Brockmann

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Project manager and R liaison. Always striving to make data science smoother and more effective. Known for tidy projects, clarifying questions, and tending to the boring stuff. My super power is admitting what I don't know and asking questions.

Work Experience

Data Solutions Engineer. Atorus Research. Newtown Square, PA. November 2022 - Present

- Client A: Posit Pro and validation project management
 - Liaised with IT and R developers to launch the company's first GxP validated Shiny application
 - Project manager for developing and documenting a GxP validated R environment in order to scale R usage from 10 to 60 Workbench users
 - Managed development of the company's first systems development life cycle documentation for shiny apps and packages
 - As admin for Posit Pro products, established a formal ticketing system for Biometrics R users
 - Advising on Posit Pro product configuration changes to meet the needs of data scientists
- Client B: Open-source development
 - Author and project manager for the `graphicalMCP` package, which enables visual representations of complex clinical trials
 - Presented the package to client leadership and publicly at pharmaSUG 2024
- Internal Atorus
 - Included on technical sales calls for expanding business with a client
 - Led development sprints with employees from 5 companies as project manager for the `xportr` package
 - Wrote internal documentation on validation and server connection

Actuarial Analyst, R Developer. CareSource. Dayton, OH. April 2021 – October 2022

- Coordinated with Actuarial, IT, and Finance to define a new Actuarial data mart for efficiency and data quality
- Built new financial forecast model and presented results to Actuarial leadership for company budget planning and pricing strategy
- Launched and led the company's first R user group
- Consulted as R SME for project transitions to R within Finance

Actuarial Analyst, R Developer. BlueCross BlueShield of Mississippi. Flowood, MS. June 2017 – April 2021

- Coordinated with Actuarial, Sales, and Underwriting to set premium rates on time for new and existing large groups
- Saved the company millions in risk adjustment transfers by coordinating with Actuarial, IT, and the federal government to ensure timeline integrity, data quality, and process documentation
- Author and maintainer of an internal R package for safely interacting with the company's database
- Mentored more junior employees, training them in technical project details, documentation best practices, and workflow recommendations

Education

Bachelor of Science in Mathematics. Mississippi State University, Starkville, MS. GPA 3.9/4.0. May 2017