

# Robert Enzmann

DATA SCIENCE/ENGINEERING · US CITIZEN

Boston, MA

☎ (+1) 978-201-5748 | ✉ robbenzmann@gmail.com | 🏠 robbmann.io | 🌐 renzmann | 🌐 renzmann

“Building better tools for Data Science.”

## Summary

Sr. Data Scientist with a track record of empowering data science teams to do more, run faster, and build robust software. I specialize in the gap between business analytics and deployment engineering to help both teams work better together.

## Work Experience

### Algorex Health Technologies

Boston, MA

SR. DATA SCIENTIST

Mar. 2021 - Present

- Led a company-wide transition to AWS SageMaker on more than a dozen client accounts, saving \$40,000 annually in infrastructure costs and reduced the onboarding time for new analysts from three days to 15 minutes. (Docker, Terraform, Jenkins)
- Principal developer of the internal python software development kit, which optimized the engineering environment installation time from 45 minutes to 30 seconds. (Bash, Make, poetry)

### Antuit, Inc.

Frisco, TX

DATA SCIENTIST

Sep. 2017 - Mar. 2021

- Built a custom simulation and nonlinear optimization application for strategic pricing of consumer healthcare products. (Python, Numpy, nlopt)
- Wrote the ETL pipelines that translated client data into an analytics ready data warehouse that also fed back to a client-facing trade promotion optimization web application. (Spark, Kubernetes, Argo, Azure)
- Derived MY2021 MSRP recommendations for an international motorcycle company. (Databricks, hyperopt)
- Modeled contractor costs for a warehouse trust fund and deployed the model/report into our client's infrastructure. (Denodo, Excel, Python)
- Modeled personalization, customer churn, and lifetime value (CLTV) for a membership program with over 1MM members. (R)

## Core Skills

### Tools & Languages

I DABBLE IN MANY OTHERS - BUT THESE ARE MY BREAD & BUTTER

- Python, SSH, Git - 5 yoe; specializing in DS with pandas, numpy, matplotlib; modeling experience with xgboost, scikit-learn, and hyperopt
- GNU/Unix, Bash, Make, SQL, Dask, Spark - 3 yoe
- AWS Athena (Presto SQL), PostgreSQL, SQLite - 2 yoe

### Tech Stack

WHERE AND HOW I'VE DEPLOYED THINGS

- Azure, AWS - 2 yoe
- Databricks, SageMaker, Docker, Terraform

## Education

### Miami University

Oxford, OH

MASTER (M.A.) IN MATHEMATICS

Sep. 2015 - May 2017

- Master's topic: *The Container Method for Triangle-induced Hypergraphs*
- 2017 Journal award

### Miami University

Oxford, OH

B.A. IN MATHEMATICS

Sep. 2013 - May 2015

- Presented *The (ab)surd Golden Ratio* at TEDx Miami University on the false connections between art and the fibonacci sequence: <https://youtu.be/0vVxL60YFJU> (over 325k views)

### Miami University

Oxford, OH

B.A. IN MUSIC

Sep. 2011 - May 2015

- 4-year music scholarship.
- Focus in music technology, recording, and audio acoustic design.