

Robert Norberg

SENIOR DATA SCIENTIST

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Robert is a thoughtful researcher that brings technical know-how, practicality, and relentless curiosity to all of his work.

Work Experience

Moffitt Cancer Center

Remote

SENIOR DATA SCIENTIST

May 2023 - Current

- Maintained and gradually enhanced an application used by geneticists to provide personalized treatment plans for cancer patients by adding dependency management, automated tests, formal versioning and deployment procedures
- Identified undocumented comorbidities in cancer patients to improve care outcomes
- Lead analysis and insight generation for enterprise Demand, Access, Capacity, and Retention initiative
- Designed and built enterprise AI hub using AWS and open source technologies
- Lead a team in the Moffitt Hackathon, resulting in an R package published to CRAN
- Supported the Moffitt mission via annual participation in the Moffitt Ride for the Cure - a 325-mile bike ride from Tampa to Tallahassee, culminating in Moffitt Day at the Capitol

Eventbrite

Remote

SENIOR DATA SCIENTIST, RISK

Nov 2021 - May 2023

- Responsible for rule-based and ML-based decision systems that worked both in real time and asynchronously throughout the Eventbrite product, including spam detection, detecting web crawling and credential stuffing, fraud detection, and more
- Evolved testing mechanisms for automated risk decisions
- Diagnosed and mitigated coordinated inauthentic activity at large and small scale

Florida Blue

Jacksonville, FL

SENIOR DATA SCIENTIST

Mar 2017 - Oct 2021

- Authored and maintained an internal company R package with branded ggplot2 themes and R Markdown templates, utility functions for Kerberos authentication, deep integration with DBI and odbc for effortless data access, and more
- Architected, deployed, administered, and maintained an analytics environment and grew it to over 40 developers and over 250 weekly active users in one year
- Lead analyst and data engineer for a company-wide customer experience initiative focused on the use of surveys to measure individual customer experience

Data Signals

Jacksonville, FL

CHIEF DATA SCIENTIST

Mar 2016 - Feb 2017

- Architected and built an R and SQL-based platform for data exchange and storage, customized predictive model training, individual and batch model-as-a-service predictions, and dashboard visualizations
- Designed a multi-tenant database and built the infrastructure from scratch on AWS

Florida Blue

Jacksonville, FL

ASSOCIATE DATA SCIENTIST

May 2015 - Mar 2016

- Developed a multitenant application for tracking, forecasting, and optimizing Medicare Stars ratings
- Used web, demographic, and other unconventional data sources to forecast member health and utilization

University of Central Florida

Orlando, FL

GRADUATE TEACHING ASSOCIATE

Aug 2013 - May 2015

- Taught four semesters of introductory statistics to undergraduate students

RTI International

Raleigh, NC

ENVIRONMENTAL SCIENTIST

May 2012 - May 2015

- Produced research that informed environmental policy legislated by the US Environmental Protection Agency

University of Central Florida MASTER'S DEGREE: STATISTICAL COMPUTING	<i>Orlando, FL</i> <i>Aug 2013 - May 2015</i>
University of North Carolina at Chapel Hill BACHELOR'S DEGREE: QUANTITATIVE BIOLOGY/MATHEMATICAL DECISION SCIENCES	<i>Chapel Hill, NC</i> <i>Aug 2009 - May 2013</i>

Skills

Data Science Ops

- EXPERT
- Version Control (git)
 - Continuous Integration (Jenkins)
 - Amazon Web Services
 - Dependency Management
 - Linux (RHEL, Debian, containers)

- R
- MASTER
- tidyverse
 - DBI/odbc
 - shiny
 - knitr/rmarkdown
 - testthat

- Statistics
- EXPERT
- Parametric and nonparametric
 - Frequentist and bayesian
 - Time series forecasting
 - Predictive modeling

- Python
- INTERMEDIATE
- dash
 - boto3
 - pandas
 - scikit-learn
 - torch
 - pytest

- Relational Databases
- MASTER
- Snowflake, Postgres, SQL Server, DB2, Hive, and SQLite
 - Database design
 - Query optimization
 - Row/Column level security