# Jason M Schwarz

### Data Scientist, Health Care SME, Ex-Navy SEAL

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Jason-Schwarz-Portfolio

github.com/oto235

512.569.4688

Austin, TX

## TECHNICAL SKILLS

Python, R, SQL

PyTorch, Torchvision,

Pandas, Numpy, Matplotlib, Scikit Learn

Exploratory and Statistical Data Analysis

Logistic, Linear Regression

Large Language Models

Generative AI

## EDUCATION

**Master** of Science in Data Science, The University of Texas at Austin, 2023, **3.9**/4.0

Google Data Analytics Professional Certificate, Coursera, 2022

**Doctor** of Physical Therapy, Texas Woman's University, 2014, 4.0/4.0

Bachelor of Science in Mechanical Engineering, The University of Texas at Austin

## PROFESSIONAL SUMMARY

Freelance data scientist and programmer. Experience with machine learning algorithms, statistical regression models, and AI. Proficient in Python, R. Strong communication skills. Diverse background driven by curiosity, enabled by intellectual horsepower and grit. Emotionally intelligent. Detail oriented. Health care leader with 10+ years of experience building lasting relationships in high functioning teams. Highly curious. Intrinsically motivated.

## PROFESSIONAL EXPERIENCE

**Freelance Data Scientist and Programmer,** 2021 - Present

- Develop high-quality, maintainable Python scripts to perform data entry.
  - Increases therapist productivity by 25%
  - Improves documentation accuracy by an estimated 10%:
    - Uses pre-loaded physician and company variables.
    - Allows a short-term memory dump immediately after a visit.
- Data extraction, preparation, and transformation into models from exploratory data analysis; communicate findings in story form.
- Data Annotation Tech – provide annotations to AI models learning to code.

**Learning Facilitator (Deep Learning course),** UT Austin, Aug, 2023 – Dec, 2023

- Provided biweekly virtual office hours.
- Monitored and answered student discussion board.
- Graded final reports.

**Data Science Graduate Student,** UT Austin, 2022 – 2023

- Regression — Causal Inference and Design Principles
- Optimization — Design Structures and Algorithms
- Deep Learning — Natural Language Processing
- Machine Learning — Advanced Predictive Models
- Data Visualization — Probability and Statistics

**Rehab Team Lead, Physical Therapist,** Various Home Health Agencies, 2014 - Present

- Clinically lead and presented to team of 30+ therapists on monthly basis.
- Extensive experience using and training new hires in electronic health records.
- Attained company-**top-tier** Rehab Clinical Ladder Level IV (2020)
- Peer voted as the Regional **Therapist of the Year** (2019)
- **Board-certified** geriatric clinical specialist
- **Mentored** 20+ new therapy hires

**Navy SEAL,** United States Navy

- Received Joint Service Achievement Medal, Good Conduct Medal, and more.
- Honorably discharged.