



Senior Data Scientist (Remote)

Who We Are:

We are an early-stage startup – backed by investors such as UCB Pharma and Plug and Play Ventures - on a mission to Transform Epilepsy Care. Why? Outcomes from epilepsy treatment have not improved in the last 3 decades while direct costs of treatment have more than doubled to \$28B – in the US alone. The goal of epilepsy treatment is to stop seizures as quickly as possible with minimal side effects. Currently, measuring outcomes is limited because clinicians rely on patients/families to report seizures, and it is estimated that approximately 50% of seizures go undetected. At Eysz, we are developing a software solution that leverages our patented algorithms to analyze eye-movement data from compatible eye-tracking systems to reliably detect seizures and other neurological “vital signs.” We have received funding from the Epilepsy Foundation Shark Tank Competition, National Institutes of Health, National Science Foundation, and Greenwich Biosciences. We are currently in the middle of a clinical trial collecting lots of data!

What you will do:

As a Senior Data Scientist, you will have a range of responsibilities, including (but not limited to):

- Collaborating closely with the Eysz team, research collaborators, and external consultants to analyze data from our clinical study
- Work across the entire machine learning pipeline, which includes everything from data extraction and preprocessing to model training, validation, and deployment
- Communicate results of analysis and research projects to internal and external stakeholders
- Preparing visualizations, reports, and documentation; assist with regulatory filings
- Generate statistical insights that can help with decision-making
- Prepare and contribute material for academic publications and participate in scientific conferences

What you will bring:

- A passion for making a difference in the lives of people with neurological conditions
- At least 5 years of experience with modern programming languages (Python, R) and tools/libraries (pandas, scikit-learn, TensorFlow, etc) used in data science
- At least 5 years of work experience in Analytics or Data Science, preferably in a regulated industry such as healthcare
- An understanding of the statistical foundations of machine learning and experience with experimental design and causal inference
- Experience scaling work from a research prototype to a production pipeline built on a modern stack
- Strong communication skills with an ability to adapt communication styles for different stakeholders, both internal and external, with varying levels of seniority
- Advanced degree in a quantitative field preferred
- An interest in being part of a growing, diverse company that is founded and led by a female entrepreneur, and a willingness and desire to wear multiple hats for the business as a whole and to “figure it out”, whether it’s in your exact functional lane or not

The Perks:

- Equity
- Remote Friendly
- Retirement Plan
- Unlimited PTO