

## Job Description: Data Scientist with Programming & Software Development Experience

Join MGME Neurotech (<https://mgme-neurotech.com/>)

### Where Neuroscience Meets Cutting-Edge Technology

At MGME Neurotech, we're transforming how people understand themselves and work with others. As a University of Zurich startup label, founded by neuroscientists, we've combined neuroscience and AI to create **EyeQ**, an online assessment platform. Through advanced computer vision and predictive models, we analyze users' physiological and behavioral patterns to deliver deep insights into soft skills like decision-making preferences and leadership, all within an easy-to-use SaaS ecosystem. If you're a talented data scientist eager to make an impact at the intersection of neuroscience and technology, we'd love for you to join us!

### Key Responsibilities

#### Data Science & Analytics

- Develop and refine **machine vision algorithms** for physiological interactions like pupil dilation and gaze tracking.
- Perform **exploratory data analysis (EDA)** to uncover trends and insights from neurobiological data.
- Build and optimize **predictive models** for actionable insights from assessment data.
- Continuously improve model performance using advanced statistical and machine learning techniques.

#### Software Development

- Write **clean, maintainable Python code** to build scalable analysis algorithms.
- Integrate data science solutions seamlessly into the **EyeQ platform**.
- Streamline workflows with **CI/CD pipelines** for deployment.
- Collaborate with external teams to embed AI models into our **cloud-based SaaS platforms**.

#### Collaboration & Communication

- Act as a **technical lead**, conveying complex technical concepts to external developers.
- Lead **requirements specification processes** to align system design with business needs.
- Work with neuroscientists and behavioral experts to ensure the science drives the technology.
- Design and optimize database structures, ensuring scalability and compliance with data privacy standards.

## Qualifications

### Education

- Master's degree in Computer Science, Data Science, Statistics, or related fields.

### Experience

- Proven track record with **machine vision** and **predictive modeling**.
- Strong Python programming skills for **scalable, maintainable solutions**.
- Familiarity with **Software Requirements Specification (SRS)** processes and cloud platforms (AWS preferred).

### Technical Skills

- Expertise in **machine learning frameworks** (e.g., TensorFlow, PyTorch).
- Proficiency with **computer vision libraries** like OpenCV.
- Advanced skills in **data analysis tools** (Pandas, NumPy).
- Knowledge of **SQL and NoSQL databases**.

### Soft Skills

- Problem-solving mindset and critical thinking.
- Excellent communication skills for cross-disciplinary collaboration.
- Team player with a proactive approach to challenges.

## Why Join Us

- **Mission-Driven Work:** Shape the future of neuroscience-powered assessments.
- **Innovative Environment:** Collaborate with top researchers and technologists.
- **Impactful Solutions:** Empower individuals and teams through self-awareness and informed decision-making.
- **Growth Opportunity:** Thrive in a supportive setting that values personal and professional development.

## Apply Today!

Ready to make a real impact at the forefront of science and technology? Join us at MGME Neurotech and help build solutions that inspire change and growth.

Contact: [marcus@mgme-neurotech.com](mailto:marcus@mgme-neurotech.com)