



www.peekvision.org

Data Scientist

Full Time

Closing Date: 21st July 2022

Location: Remote (timezone: GMT-1 to GMT+6)*.

Working Day: Flexible working hours throughout the week. Daily collective overlapping hours are 11:00-16:00 GMT. Our Full Time work week is approximately 40 hours.

Team: [Data Insights](#)

Travel: typically, four 1-2 weeks' international travel per annum

Benefits: Working at Peek has many benefits. Please find more information about those benefits [here](#).

To Apply: Please submit your full application through our [recruitment site](#) by the closing date noted above.

Millions of people worldwide are losing their sight unnecessarily. Join a mission driven award winning team who are intent on changing this.

[Introduction to Peek Solutions](#)

Peek CEO, Dr. Andrew Bastawrous:

- [Rolex Awards Laureate, 2016](#)
- [2014 TED talk](#) explains the inspiration and ideas that led to Peek's creation.
- [BBC: The eye doctor who could not see the stars](#) By Smitha Mundasad

The Role

Peek is seeking to build a dynamic team of data professionals to drive our data development, synthesis, analysis and innovation. Our software's unprecedented ability to analyse eye health systems has become critical in strengthening the confidence of stakeholders in the eye health system by examining the needs, coverage and utilisation of limited resources to optimise access and health outcomes as well as data quality. As a result, we are establishing our software as an indispensable component of global efforts to reverse the trend of increasing visual impairment that currently affects more than a billion people.

As a part of the developing Data Insights Team, you will be accountable for Peek's data analysis tools and processes. You will be familiar with modern data technologies, working in Agile teams and data analysis principles. You will embrace the task of surfacing value from our systems' data for internal and external stakeholders.

The initial priority for the role will be working closely with our DevOps, data analysts and

* Unfortunately we are currently unable to employ individuals resident in the following countries: India & Germany

product roles to integrate our databases with a common business intelligence platform (to be chosen based on your assessment). Following this you will work with our data analysts, programme managers, product team and ultimately external stakeholders to use the BI tools to leverage our product to provide unprecedented insight into the operations of eye health services across Africa and Asia.

Peek's staff are distributed internationally around the globe and our customers and software users operate and deliver programmes in multiple countries. Travel to programmes using Peek's software and services in different countries will be part of the role (in line with Peek's Travel Safety Policy). Peek's culture enables a self managed team structure. This provides a high level of ownership and accountability within each role, and enables effective and frequent collaboration between team members and across teams.

Responsibilities and Attributes

The 5 key responsibilities of the role are:

- Build/integrate business intelligence and analytics tools that utilise available data pipelines to provide actionable insights for the business, our customers and other stakeholders
- Work with the organisation's data analysts, application support and DevOps to assist with data-related technical issues and analyses
- Implement processes and systems to monitor data quality
- Identify, design and implement internal process improvements
- Create and maintain analytical tooling as data volume and complexity increases.

The 5 key attributes we have identified for the role are:

- Familiarity with at least one business intelligence tool (e.g. Tableau, Google Data Studio, Microsoft BI, etc.)
- Demonstrable experience with at least one statistical programming language (Python, R or similar)
- Knowledge of data structures and experience of working with large datasets within an enterprise context
- Demonstrable experience of articulating and translating business questions and using statistical techniques to arrive at an answer using available data
- Demonstrable experience with or knowledge of Agile software development methodologies.

Desirable attributes for the role are:

- MSc and/or PhD in quantitative discipline
- Knowledge of machine learning methodologies (e.g. reinforcement learning)
- Knowledge of data visualisation design
- Knowledge of public health and clinical trials statistics
- Knowledge of healthcare systems
- Experience in data pipeline architecture
- Knowledge of NoSQL technology (e.g. MongoDB).

About Peek

1.1 billion people worldwide have preventable or curable vision loss, including 43 million who are blind. And rates are rising. Vision loss can have devastating effects on education, social status, and livelihoods. Simple, cost-effective treatments exist, like cataract operations or glasses. Further, the burden of most eye conditions is not borne equally. The majority of cases are in Africa and Asia, where eye care services are limited and people travel long distances to reach hospitals.

[Peek Vision](#) is a social enterprise that powers eye health programme providers to strengthen systems and service delivery with a software and data intelligence platform.

We are dynamic, impact-driven and [award-winning](#). Our solutions for school & community eye health providers include:

1. Population-level eye health surveys
2. Programme design
3. Software
4. Data insights

For a brief introduction explaining how Peek powers school and community eye health programme providers to make unmet eye health needs visible, watch this [Introducing Peek Vision video](#).

Peek Capture is a smartphone app that allows non-specialists - such as teachers and community health workers - to conduct vision screening and eye health surveys in homes, communities and schools. It integrates the visual acuity check from our award-winning [Peek Acuity](#) Android App, allowing anyone to check visual acuity using a smartphone.

Peek Admin is a web platform that displays the real-time data entered in Capture, allowing healthcare providers to understand where the need is greatest and how to improve services.

They are used to power our two main offers:

Peek for [School](#) and [Community](#) Eye Health Programmes

We use Peek Capture to help eye health providers reach communities and join up local services, while data from Peek Admin helps ensure those who need treatment are reached. We offer our public health expertise to adapt the solutions to local needs and help partners analyse the data for iterative improvement.

Peek for [RAAB7](#)

RAAB (Rapid Assessment of Avoidable Blindness) is a rapid survey methodology developed at ICEH (International Centre for Eye Health) to identify the prevalence of eye health issues in a given population. Identifying population need is the first step to advocating for and designing impactful programmes.

To apply, please submit your full application through our [recruitment site](#) by the closing date noted above. Working for Peek Vision provides a number of benefits - to find out more about our approach to compensation and benefit provisions please [click here](#).

Peek is an equal opportunity employer. Peek will not discriminate and will take measures to ensure against discrimination in employment, recruitment, advertisements for employment, compensation, termination, promotions, and other conditions of employment against any employee or job applicant on the bases of age, disability, gender, marital status, parenthood, race, religion or belief, sex, sexual orientation, or any other factor which may be deemed discriminatory. Further the diversity of our team is important and crucial to our impact and we seek to ensure our team has affinities or links to the communities where we are most active.