Data Scientist
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ORGANISATION	The Global Disinformation Index (GDI) is a global not for profit organisation dedicated to reducing online disinformation by identifying and labelling domains with a "risk of disinforming" rating. Our goal is to create a world where we can trust what we see in the media.

3 PILLARS	GDI is built on 3 pillars: ● **Independence**: GDI is not for profit and diversely funded. It exists solely to assess online publishers' risk of disinforming their readers ● **Neutrality**: GDI is apolitical, global, and evidence-based. ● **Transparency**: GDI's rating criteria, index methodology, and detailed assessments will all be public, auditable, and disputable.
BEHAVIOURS	We continually strive to model the following behaviours in our interactions with others: ● **Positivity**: Problem solver, not problem raiser. ● **Responsibility**: Make it your problem - if it's not right, fix it. ● **Trustworthy**: Make sure others can depend on you - if you say you are going to do it, do it. ● **Respect**: Treat everyone, especially those with whom we disagree, with courtesy and respect.
MAIN RESPONSIBILITIES	GDI is in the process of developing a global index to assess the risk of disinformation. The focus of the index is at the domain level and assessing them for their risk of "disinforming". The framework will include both AI powered indicators and manual review of a smaller (30+) number of media sites in specific countries. The risk scores from this analysis will be fed directly into the ad tech system to enable advertisers to divert ad $ away from high risk websites. GDI is searching for a Data Scientist who will: ● Contribute to the machine learning and automated classification efforts ● Build tools which can assist in the identification of high-risk news domains ● Perform analysis which helps assess risk and explores the link between risk and advertising $ placed ● Continually refine classifiers driving towards customer-ready products which are robust ● Work with the Product Manager to deliver products that meet customer needs (Initially ad tech customers) ● ensuring at all times that GDI is minimising the potential for bias in the training data

	• Work with other members of the tech team to deliver robust, scalable and insightful products • Maintain project plans and tracking tools to ensure manager and team can keep abreast of progress towards deliverables. In this role, you will be highly analytical and possess a strong mathematical background in machine learning and statistics as well as a passion for risk and security applications. We would expect to see at least graduate-level study in signal processing across the spectrum, including images, text, and binary data. Critical thinking and problem-solving skills are essential for interpreting the data. You will build predictive models and machine-learning algorithms, combine models through ensemble modelling and present information using data visualization techniques. As the pilot phase of GDI's work unfolds, we will expect you to propose solutions and strategies to business challenges or needs that become clear. Commercial nous is key: we aim to develop a product that customers want to buy, and you will play an important part in that. This role will be a permanent full-time position, with the successful candidate being employed by AN Foundation in the US. Flexible working hours are possible. Occasional travel is necessary, including to London.
EXPERIENCE AND QUALIFICATIONS	Required: • A master's level degree in engineering or science from a respected university or equivalent experience. • Demonstrated experience building complex models and systems. • Strong management, planning and delivery skills. • Databases: Redshift, PostgreSQL, MongoDB. • Languages: Python,SQL, C++ and C • Packages: NumPy, SciPy, Pandas, matplotlib, PyTorch, pyspark, Tensorflow Preferred: • Fluent in English (fluency in other languages an advantage; experience in building models for other languages and/or alphabets a distinct advantage). • Energy and enthusiasm. • Problem solver and doer; someone who just "steps up." • Excellent knowledge of Microsoft Office. • Comfortable using Google Suite products and internal collaboration platforms.
LOCATION	Remote (proximity/easy travel to London or New York is an advantage)
REPORTING TO	CTO initially. This may change as the team grows.
DIRECT REPORTS	None initially. This may change as the team grows