

The Alan Turing Institute

Research Application Manager, Sustainability

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There has never been a more significant time to work in data science and AI. There is recognition of the importance of these technologies to our economic and social future: the so-called fourth industrial revolution. The technical challenge of keeping our data secure and private has grown in its urgency and importance. At the same time, voices from academia, industry, and government are coming together to debate how these technologies should be governed and managed.

The Alan Turing Institute, as the UK's national institute for data science and artificial intelligence, plays an important part in driving forward advances in these technologies in order to change the world for the better.

The Institute is named in honour of Alan Turing, whose pioneering work in theoretical and applied mathematics, engineering and computing is considered to have laid the foundations for modern-day data science and artificial intelligence. The Institute's purpose is to make great leaps in data science and AI research to change the world for the better. Its goals are to advance world-class research and apply it to national and global challenges, build skills for the future by contributing to training people across sectors and career stages, and drive an informed public conversation by providing balanced and evidence-based views on data science and AI.

After launching in 2015 with government funding from EPSRC and five founding universities, the Institute has grown an extensive network of university partners from across the UK and launched a number of major partnerships with industry, public and third sector. Today it is home to more than 300 researchers, a rapidly growing team of in-house research software engineers and data scientists and a business team.

BACKGROUND

The Sustainability mission focuses on the safe decarbonisation of transportation networks, manufacturing processes, and critical infrastructure, to create pathways to net-zero. To achieve this, the mission uses data-centric engineering tools, pioneered by researchers at the Turing in partnership with Lloyd's Register Foundation, a global safety charity with a mission to engineer a safer world.

The Sustainability Mission is built around the following five strategic pillars:

Technology development and translation – Accelerate the translation of Turing Sustainability research into real-world impact, with a particular focus on decarbonisation and safety-critical domains.

Standards and regulation – Drive the development of data science and AI standards for safety and sustainability by engaging potential users and regulators.

Skills, training and knowledge exchange – Convene the best talent to contribute to significant upskilling, knowledge and best practice exchange across data science, AI and data-centric engineering, together with a range of national and international partners.

Community building – Further integrate the data-centric engineering and sustainability communities, drawing together industry, academia and policymakers to align AI capabilities to key areas where the greatest reductions in emissions can be made.

Research and innovation – Identify gaps in current industry practices where technology is required to boost impact.

We have three existing themes of focused engineering activity: manufacturing, maritime and critical infrastructure, and a fourth pillar, interpretive technologies, focuses on the interface between engineering and society.

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ROLE PURPOSE

We are recruiting a **Research Application Manager** who will work across all 4 of these themes to provide support in the technology development and translation pillar. You will ensure that the research outputs across the sustainability mission are adopted successfully across government, the charity sector and industry. Your role will be to understand the user, develop technical specifications and create demos or proofs of concept that demonstrate the potential for these methods in application.

We anticipate that the postholder will be driven by *user discovery and delivery orientated*, showing an *adaptable* and *collaborative outlook*, in addition to their commitment to equity and inclusion principles as described in the Turing's Values (see below).

The postholder will work on strengthening existing stakeholder relationships and identifying new potential users of research outputs. They will develop specifications for these outputs, designing and building software that can meet these specifications. This work aims to maximise the impact of the programme through pull-through to adoption and ensuring it leaves a lasting legacy on the ecosystem.

There is significant scope for the postholder to develop new skills and grow in the role. We do not expect applicants to necessarily be highly experienced and already have all the skills that are vital for success. We do however expect the postholder to be prepared to learn at pace.

The postholder will report to Dr Eric Daub - Principal Research Data Scientist and will work closely with Francisco Gomez Medina, Research Application Manager.

HOW YOU WILL MAKE AN IMPACT

- Drive the Institute's efforts to maximise the impact of the Sustainability Mission. Ensure that the outputs of the research process are translated into appropriate real-world implementations and that they are used by stakeholders external to Turing. You will achieve this by engaging with prospective stakeholders, in close collaboration with the researchers and the Partnerships team.
- The means of real-world translation are likely to be highly varied across the mission, you will conduct some or all of the following tasks:
 - Identify appropriate potential users of research outputs (in collaboration with, and as approved by, the project PIs).
 - Take ownership of the stakeholder engagement strategy.
 - Work closely with the research teams to represent and advocate for user needs.
 - Identify challenges that potential users have in deploying research outputs and co-create solutions as an active member of the research team.
 - Facilitate project scoping discussions between researchers and stakeholder organisations.
 - Promote the sustainable use of research outputs by facilitating high-quality analysis, modelling and reporting documentation, and training materials, in collaboration with researchers, developers and domain experts.
 - Build proofs-of-concept and demos from research developed within the Turing or its University Network.
- Catalyse connections and collaboration between users and researchers. This could come in the form of synchronous regular meetings or it could occur asynchronously, for example, through active engagement on distributed communication channels such as Slack and the maintenance of public and private GitHub repositories to documented ongoing work within the projects.
- Work with Turing Communications team to promote achievements and capabilities in a way which is meaningful for stakeholders across relevant sectors.
- Communicate technical topics to colleagues and external partners by preparing and presenting reports,

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blog posts, organising and delivering presentations, and taking an active role in meetings and discussions.

- Publish - as a lead or co-author - peer-reviewed research articles, open source training curricula, and/or perspective, opinion and commentary articles, as appropriate. This responsibility will be defined to be aligned with the successful candidate's personal career goals, through collaborative discussion when they are in post.

PERSON SPECIFICATION		
Skills and Requirements	Essential (E) Desirable (D)	Tested at application (a) Tested at interview (i)
Post holders will be expected to demonstrate the following:		
Knowledge and Experience		
Experience in stakeholder engagement, for instance, experience working with consortium partners, research collaborators, delivery partners, or clients.	E	A/I
Experience with basic coding skills in any programming language.	E	A/I
Experience in leading and developing internal networks, such as working groups or committees in order to deliver collaborative and cross functional projects or initiatives.	E	I
Ability to design and use data gathering and analytical methods appropriate for each investigation.	E	I
Produces reports that identify key issues and findings. Recognises and accurately interprets patterns and trends.	E	I
Experience in developing proofs-of-concept and Demos, including front-end development.	D	A/I
Experience in: • Product management through a developmental lifecycle, • Research and/or development in data science, • Data engineering for reproducible analysis and/or deployment, • Community management (for instance, in open source), • Git for version control and Github or GitLab for project management.	D	A/I
Track record of delivering value for your organisation or stakeholder by making use of data science, data visualisation or software engineering.	D	A/I
Other requirements		
Commitment to EDI principles and to the Organisation values	E	I

Please note that job descriptions cannot be exhaustive, and the postholder may be required to undertake other duties, which are broadly in line with the above key responsibilities. This job description is written at a specific time and is subject to changes as the demands of the Institute and the role develop.

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APPLICATION PROCEDURE

If you are interested in this opportunity, please click the apply button below. You will need to register on the applicant portal and complete the application form including your CV and covering letter. If you have questions about the role or would like to apply using a different format, please contact us at recruitment@turing.ac.uk.

TERMS AND CONDITIONS

This full-time post is offered on a fixed term basis for 2 years. The annual salary is £57,000 plus excellent benefits, including flexible working and family friendly policies, [Employee-only benefits guide | The Alan Turing Institute](#)

The Alan Turing Institute is based at the British Library, in the heart of London's Knowledge Quarter. We expect staff to come to our office at least 4 days per month. Some roles may require more days in the office; the hiring manager will be able to confirm this during the interview.

EQUALITY, DIVERSITY AND INCLUSION

The Alan Turing Institute is committed to creating an environment where diversity is valued and everyone is treated fairly. We value diversity of background, experience, and perspective, and are proud to be an inclusive employer. We warmly encourage applications from all backgrounds, particularly from groups currently under-represented in our sector. If you feel passionate about this role but don't meet every single requirement, please apply — we recognise that great candidates may bring strengths beyond the criteria listed.

We are committed to making sure our recruitment process is accessible and inclusive. This includes making reasonable adjustments for candidates who have a disability or long-term condition. Please contact us at recruitment@turing.ac.uk to find out how we can assist you.

Please note all offers of employment are subject to obtaining and retaining the right to work in the UK and satisfactory pre-employment security screening which includes a DBS Check.

Full details on the pre-employment screening process can be requested from HR@turing.ac.uk.

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OUR VALUES

The Alan Turing Institute is committed to equality diversity and inclusion and to eliminating discrimination. All employees are expected to embrace, follow and promote our [EDI Principles](#) and Our Values.

Our values



Trust

We create an environment where we have trust and can be trusted



Inclusivity

We expect our Turing community to contribute to a culture that is inclusive and free of barriers



Respect

We all have different roles, priorities and challenges but our shared purpose is the same



Leadership

Leadership is everyone's business; Turing leaders set the right tone and lead by example



Transparency

Everyone should understand the how and the why of our decisions and actions



Integrity

We are all ambassadors for the Turing's mission of changing the world for the better