

The Alan Turing Institute

Deployment Applications Lead

THE ALAN TURING INSTITUTE

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

BridgeAI is a national AI adoption programme supported by The Alan Turing Institute and funded by Innovate UK. The programme aims to accelerate the deployment of advanced AI across the UK's growth-driving sectors, supporting organisations to adopt innovative AI solutions and helping UK AI SMEs bring technologies into real-world use. Through collaboration across industry, government and the innovation ecosystem, BridgeAI will help strengthen UK productivity, competitiveness and AI leadership. The Turing's role in the programme will be supporting and advising companies seeking to deploy AI solutions into their business operations through a mix of 1-1 advice, cohort-based training, and application toolkits.

ROLE PURPOSE

The BridgeAI Deployment Applications Lead will drive the design and delivery of practical tools, frameworks and guidance products that help organisations successfully deploy advanced AI into operational environments across the UK's key Industrial Strategy growth sectors.

Working at the intersection of frontline advisory practice and programme-level product development, the postholder will combine direct engagement with BridgeAI-supported organisations with the systematic design, prototyping and delivery of reusable technical assets.

The postholder will manage at least one member of the BridgeAI team, report directly to the Principal Investigator, and play a leading role in shaping the programme's technical legacy: its shipped tools, disseminated learning, and contribution to the UK's evidence base for responsible AI deployment at scale. They will also play a leading role in the wider Strategic Capabilities leadership team.

Successful candidates will combine technical depth with the instinct to translate operational learning into lasting, usable assets. They will be comfortable moving between hands-on product development, senior stakeholder engagement and team leadership, and will thrive in a programme environment where they shape the work, and the impact is real.

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HOW YOU WILL MAKE AN IMPACT

Build Products and Deployment Toolkits

- Develop a portfolio of interactive digital tools and structured guidance products to support organisations at key stages of the AI deployment journey, including readiness assessment, use case validation, risk identification and assurance planning.
- Own the product development roadmap, balancing near-term programme needs with the longer-term value of outputs designed to outlast and extend beyond the programme.
- Ensure products are designed for broad adoption: accessible, well-documented and usable by practitioners across sectors without specialist support.
- Contribute to programme-level artefacts including deployment templates, assurance frameworks, integration guidance and benefits evidence that support future AI deployers.

Advise and Support Organisations

- Work with a focused portfolio of organisations to scope, develop and harden AI deployment use cases in real operational settings.
- Provide technical deployment guidance covering site readiness, governance approvals, workflow implications, change management and staff capability requirements.
- Advise on AI safety, ethics and assurance, drawing on recognised frameworks including ISO/IEC 42001, ISO/IEC 23894, NIST AI RMF and UK GDPR / DPA 2018.
- Conduct end-user readiness assessments and provide evidence-based input to programme stage gates and funding decisions.
- Feed insights from advisory engagements directly into the product development pipeline, ensuring tools remain grounded in live deployment realities.

Lead the Team and Contribute to the Programme

- Line manage the Impact & Data Manager, providing day-to-day direction, clear objectives and active support for their professional development.
- Participate in programme meetings, contribute deployment learning to the wider advisor and partner community.
- Support public dissemination activities including workshops, publications and open tools that promote AI deployment best practice across UK industry.
- Engage with sector bodies, regulators and Innovate UK partners as a technical representative of the Turing's participation in BridgeAI and the wider Strategic Capabilities team.

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PERSON SPECIFICATION		
Skills and Requirements Post holders will be expected to demonstrate the following:	Essential (E) Desirable (D)	Tested at application (a) Tested at interview (i)
Knowledge and Experience		
PhD or equivalent level of industry experience, providing a strong basis in data science, software engineering, AI/ML systems, or a closely related field.	E	A
Demonstrable experience designing, prototyping and shipping digital tools, frameworks or guidance products for AI deployment or data science practice.	E	A/I
Proven track record supporting organisations with the deployment of AI or ML systems in operational settings, including navigating technical, organisational and governance barriers.	E	A/I
Working knowledge of AI assurance and governance frameworks, including ISO/IEC 42001, ISO/IEC 23894, NIST AI RMF and/or UK GDPR / DPA 2018.	E	A
Experience of line management or mentoring, with the ability to set clear objectives and support professional development.	E	A/I
Excellent written and verbal communication skills, with confidence engaging both technical and executive audiences	E	A/I
Strong organisational skills; able to manage time and resources effectively across concurrent workstreams.	E	I
Domain expertise within one or more of the UK Industrial Strategy growth sectors (e.g. Advanced Manufacturing, Life Sciences, Financial Services, Clean Energy, Creative Industries).	D	A
Hands-on familiarity with MLOps tooling such as MLflow, Kubeflow, SageMaker or Vertex AI.	D	A/I
Experience with stakeholder engagement and reporting.	D	A/I
Demonstrated ability to manage a product development workstream, balancing near-term priorities with longer-term programme value.	D	A/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.

APPLICATION PROCEDURE

If you are interested in this opportunity, please click the apply button on our website. 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.

Your cover letter should focus on the following:

- Your motivation and interest in applying for this role
- Overview and examples of your experience designing, prototyping and shipping digital tools, frameworks or guidance products for AI deployment.
- What technical and other skills, competencies and expertise you would bring to the team?

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TERMS AND CONDITIONS

This full-time post is offered on a fixed term basis until March 2030. The annual salary range is £70,000 - £75,750 plus an excellent benefits package including private medical insurance, 10% employer pension contribution, flexible hybrid working and family friendly policies - full details can [be seen here](#).

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