

MVP: AI Ethicist Job Descriptions for the AI DGX Working Group

What is AI Ethics?

DRAFT DEFINITION

AI to support better public services and prevent harm involves leveraging AI technologies responsibly and ethically to enhance decision-making, predictive analytics, personalised services, risk assessment and mitigation, and ethical considerations to improve the quality and impact of government services while minimising potential risks and harm to individuals or communities.

MVP: Senior AI Ethicist

Job Summary:

The AI Ethics Specialist will provide expert guidance and advice on ethical considerations for developing, implementing, and using artificial intelligence (AI) technologies. They will work with cross-functional teams to ensure that generative AI technologies are designed and deployed in a manner that aligns with ethical and social principles. Depending on the context, this senior role would own the ethics function within a programme or organisation, whereas the junior role would be more advisory.

Key Responsibilities:

- Assess the ethical implications of AI systems and technologies throughout their lifecycle, including data collection, algorithm design, deployment, and decision-making processes.
- Develop and implement policies and guidelines related to the ethical use of AI technologies
- Evaluate and establish protocols to protect user privacy, data security, and consent in AI applications, adhering to relevant regulations and best practices.
- Work with cross-functional teams to ensure that AI technologies are designed and deployed in a manner that aligns with ethical and social principles
- Conduct ethical impact assessments¹ to identify potential risks and harms associated with AI technologies
- Develop strategies and solutions to mitigate ethical risks associated with AI technologies. For example, preventing algorithm biases
- Stay up-to-date on emerging ethical issues and trends related to AI technologies
- Collaborate with legal, compliance, and other teams to ensure compliance with ethical and regulatory requirements related to AI technologies
- Educate and train employees on ethical considerations related to AI technologies
- Build or contribute to an AI community

Qualifications:

- 7+ years experience in AI programmes or working within the AI field
- A Bachelor's or Master's degree in a related field for ethics or technology
- Strong knowledge of AI technologies and their ethical implications
- Experience in developing and implementing ethical policies and guidelines

¹ <https://link.springer.com/article/10.1007/s10462-023-10420-8>

- Familiarity with ethical frameworks and principles related to AI, such as the Asilomar AI Principles, IEEE Global Initiative for Ethical Considerations in AI and Autonomous Systems, and/or others
- Excellent communication and collaboration skills
- Ability to work in a fast-paced, dynamic environment
- Strong analytical and problem-solving skills

Preferred Qualifications:

- PhD/MA in computer science, philosophy, ethics, or related fields
- Experience in conducting ethical impact assessments
- Team management, including managing junior AI ethicists
- Familiarity with relevant regulations and standards related to AI technologies, such as GDPR, CCPA, or ISO/IEC 2770

Junior AI Ethicist

The AI Ethicist will be responsible for analysing and evaluating the ethical implications of AI systems and making recommendations to ensure that our AI solutions are designed and used responsibly, fairly, and transparently.

Key Responsibilities:

- Conducting ethical impact assessments of AI systems, including identifying potential biases, discrimination, and negative impacts on individuals and society.
- Collaborating with cross-functional teams to identify ethical concerns and propose solutions to mitigate them.
- Reviewing AI algorithms and models to ensure they align with ethical principles and best practices.
- Developing ethical guidelines and policies for developing, deploying, and using AI systems.
- Providing training and guidance to employees on ethical considerations related to AI.
- Engaging with stakeholders, including customers, partners, and regulators, to communicate and promote ethical AI practices.
- Monitoring and evaluating the ethical implications of AI systems, including collecting and analysing stakeholder feedback.

Requirements:

- Degree in technology or ethics or a related field.
- At least three years of experience in AI ethics, responsible AI, or related fields.
- Strong understanding of ethical principles and best practices related to AI, including fairness, transparency, accountability, and human rights.
- Experience with ethical impact assessments, algorithmic bias, and societal implications of AI.
- Excellent communication and collaboration skills, with the ability to engage with stakeholders at all levels.

- Strong analytical and critical thinking skills, with the ability to analyse complex ethical issues and propose solutions.
- Ability to work independently and manage multiple projects and priorities simultaneously.

Preferred Qualifications:

- Experience in a regulated industry, such as healthcare or finance, where ethical considerations are particularly important.
- Experience with AI technologies, including machine learning, natural language processing, and computer vision.
- Familiarity with relevant ethical frameworks and regulations related to AI, such as the European Union's General Data Protection Regulation (GDPR) and the IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems.
- Experience working with interdisciplinary teams, including data scientists, software engineers, and business stakeholders.

Other example roles

Services Australia - Data Director/Technical Lead - Various Positions (nga.net.au)