Tech Code of Conduct & Ethics

Tech Code of Conduct & Ethics is a thoughtful and practical presentation designed to guide individuals and organizations in responsible technology use. This session explores the ethical implications of emerging technologies, digital citizenship, and professional standards in tech environments. Participants will learn about key principles such as data privacy, responsible AI use, transparency, and the importance of inclusive and equitable practices. Whether you're a tech user, educator, or developer, this presentation offers foundational knowledge to help you navigate today's digital landscape with integrity and awareness.

by Ty Davis-Turcotte

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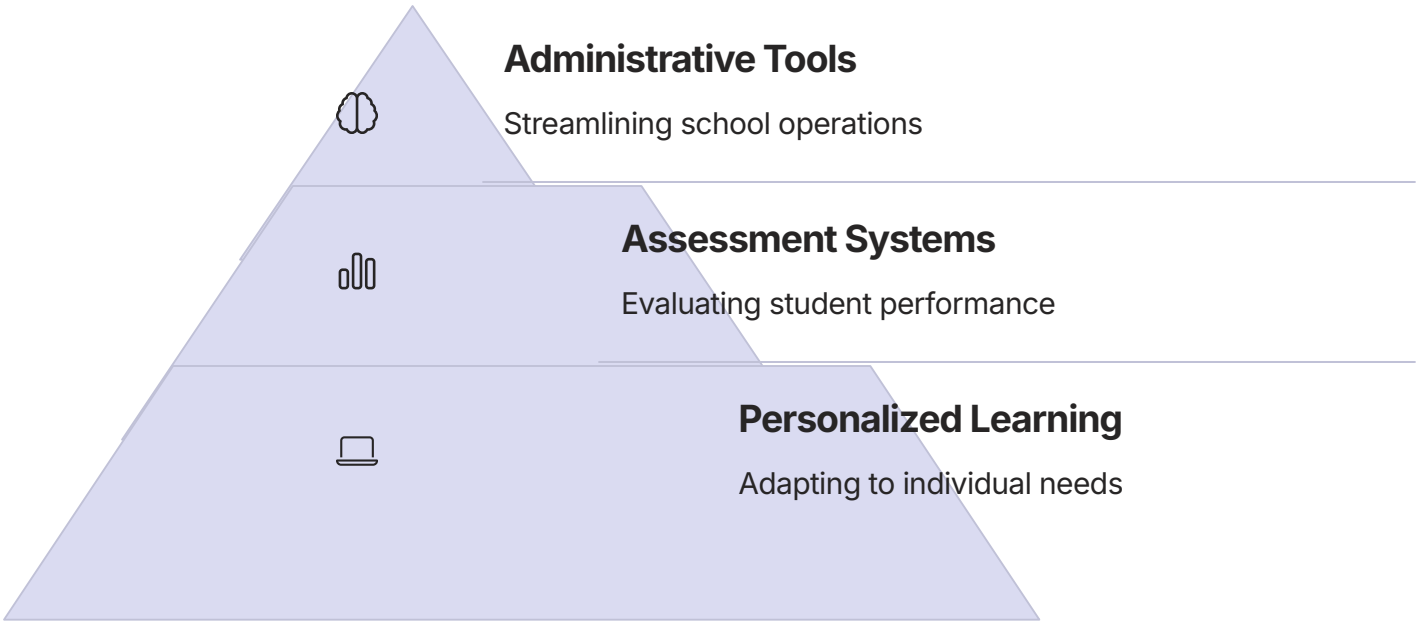
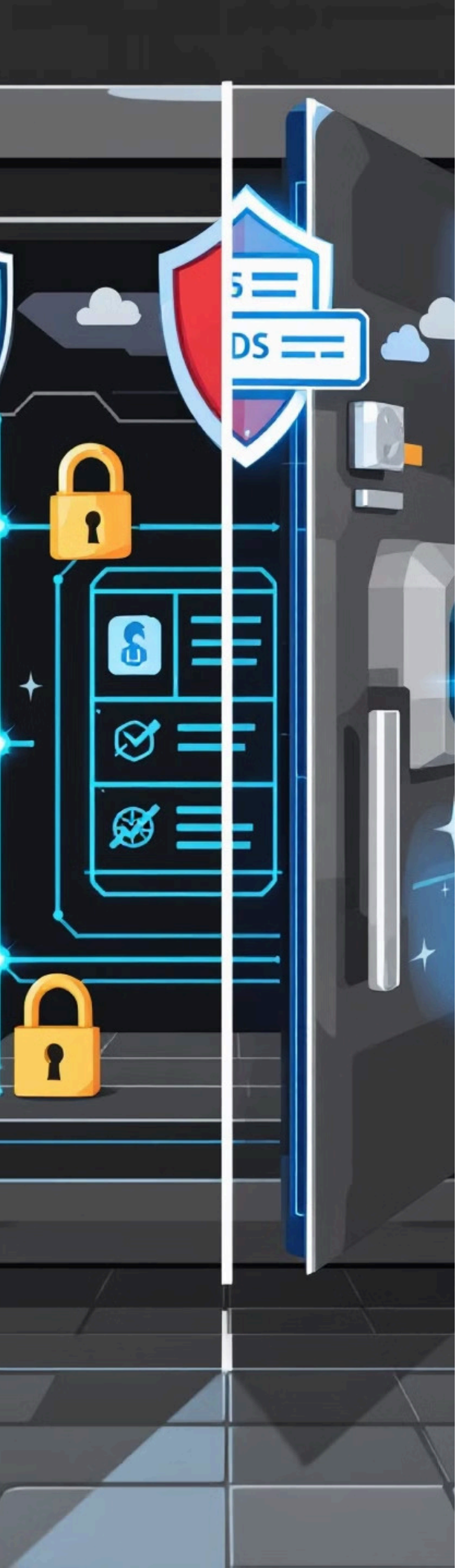
AI in Education: Navigating Ethical Challenges

Educational AI tools present both opportunities and ethical dilemmas. This presentation explores key considerations for students and teachers using AI responsibly.

by Ty Davis-Turcotte

Understanding AI in Educational Context





Privacy and Data Security

Data Collection Concerns

AI systems gather extensive student information. Many users share metadata without understanding implications.

Storage and Access Risks

Questions persist about who can access student data. Privacy breaches represent significant dangers.

Consent Challenges

Many educational platforms have inadequate consent processes. This undermines personal privacy and agency.

Accessibility and Equity

Benefits

- Personalized learning experiences
- Remote education opportunities
- Assistance for students with disabilities

Challenges

- Digital divide limits access
- Some populations face greater risks
- AI may reinforce existing biases
- Technology gaps widen inequalities

Academic Integrity and Learning

Evaluate AI Tools

Understand capabilities and limitations

Assess Outputs

Verify reliability of AI-generated content

Develop Critical Skills

Foster thinking abilities AI cannot replace

Prepare for Future

Build skills for AI-integrated workplaces

Teacher-Student Relationship

Social Development

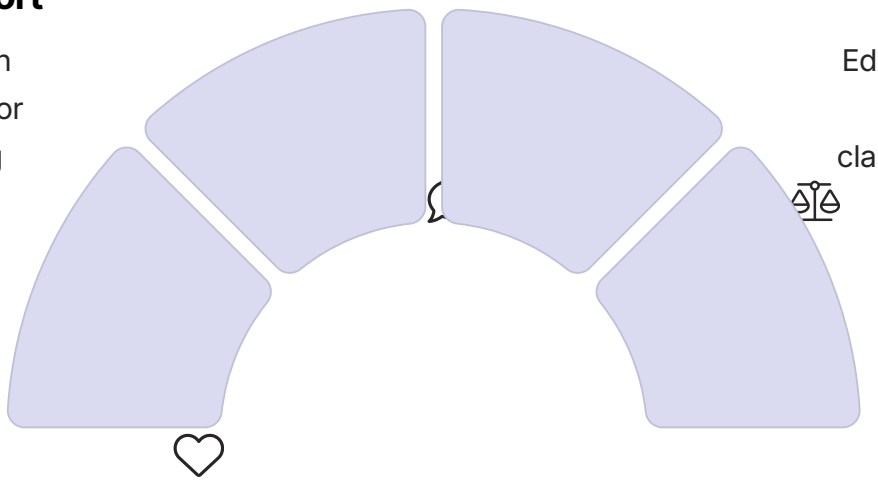
Interpersonal skills require human interaction

Ethical Guidance

Teachers must navigate complex moral challenges with AI

Emotional Support

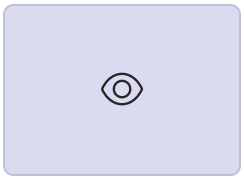
Human connection remains essential for student wellbeing



Implementation Decisions

Educators determine appropriate AI classroom integration

Transparency and Understanding

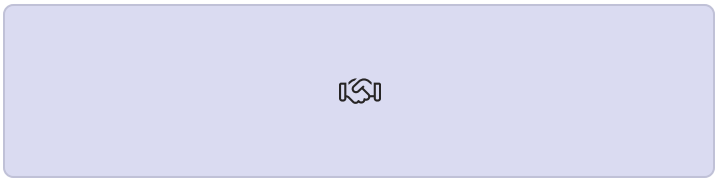


Visibility

Make AI processes observable

Explanation

Ensure systems can explain decisions



Trust

Build confidence through openness

Moving Forward Responsibly

Balance Benefits and Risks

Maximize advantages while minimizing potential harms.

Include All Stakeholders

Involve students, teachers, and parents in decision-making.

Continuously Review

Regularly update policies based on emerging evidence.

Prioritize Protection

Safeguard vulnerable populations and sensitive data.

The Ethics of AI in Writing: Navigating a New Creative Landscape

AI is transforming media by automating processes like writing, data analysis, and content personalization.

These advancements raise critical ethical concerns about privacy, bias, and transparency that must be addressed.

by Ty Davis-Turcotte

Copyright Challenges in AI-Generated Content

Ownership Questions

Who owns AI-generated essays, music, or art?

Prompt Creator

Person who crafted the AI instructions

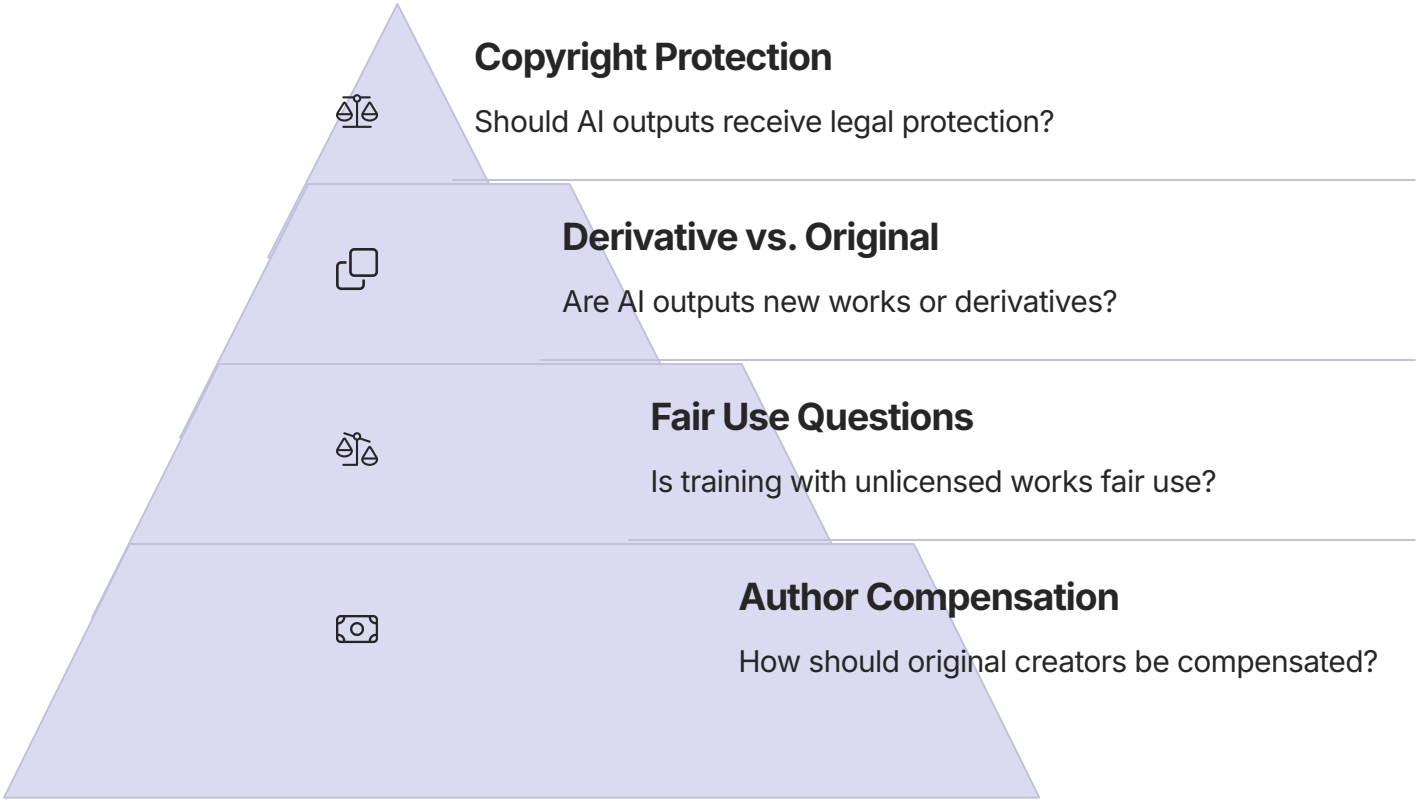
Training Data Sources

Original creators whose work trained the AI

Legal Status

US Copyright Office: AI-generated images not copyright protected

Legal Landscape of AI Authorship



Ethical Guidelines for AI Writing Identification

Transparent Disclosure

Clearly state when AI tools were used in content creation.

Specific Attribution

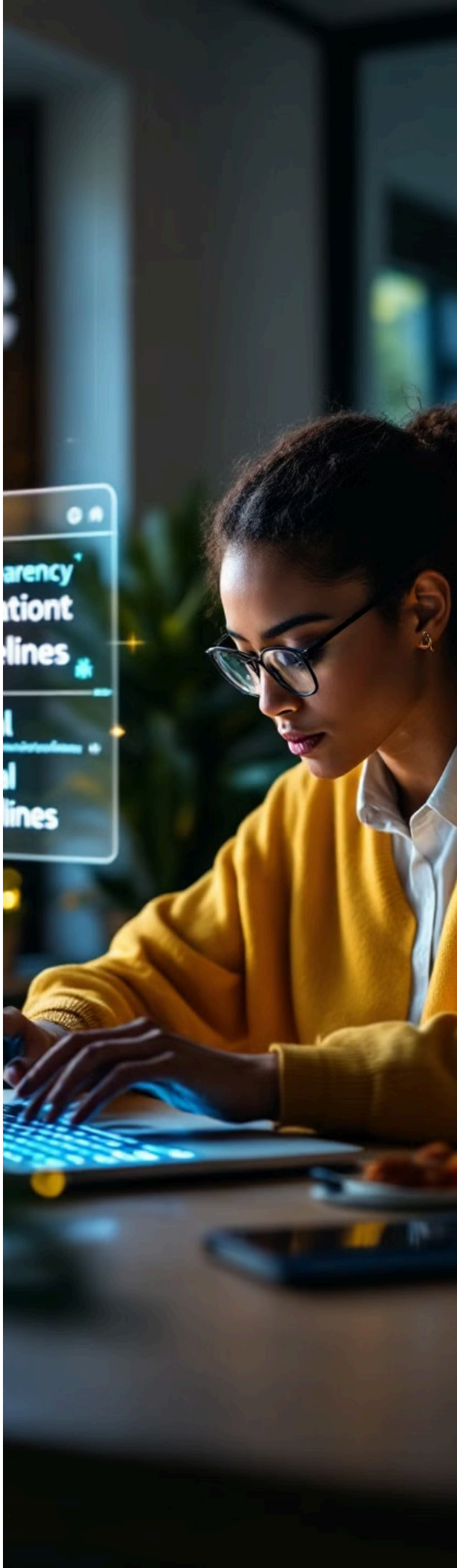
Name the specific AI tool that assisted in the work.

Author Responsibility

Human authors remain fully accountable for all content.

Ethical Liability

Authors are liable for any publication ethics breaches.



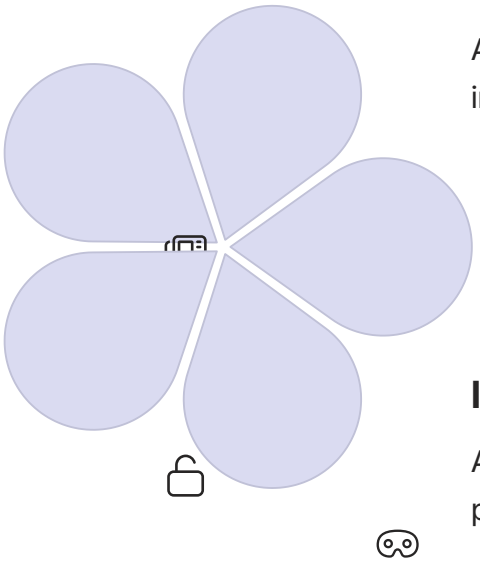
Potential Misuse and Risks

Misinformation

AI can create convincing fake news at scale.

Unrestricted Use

No inherent limits on what users can request.



Offensive Content

AI may generate harmful or inappropriate material.

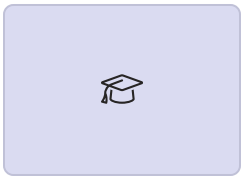
Social Unrest

Potential for creating division through targeted messaging.

Impersonation

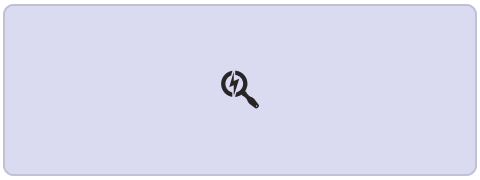
AI can mimic writing styles of real people.

Academic and Professional Integrity



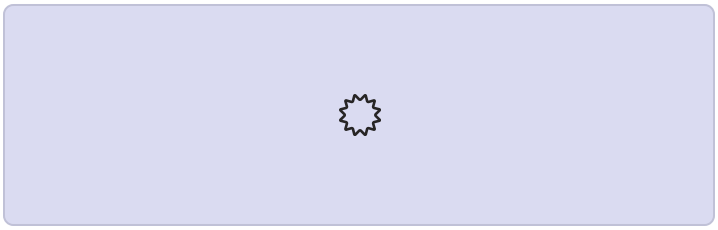
Academic Dishonesty

AI enables sophisticated plagiarism.



Peer-Review Challenges

Difficult to verify authentic human scholarship.



Credential Devaluation

Degrees may lose meaning if AI writes assignments.

Developing Responsible AI Frameworks

Interdisciplinary Collaboration

Technologists, ethicists, and policymakers must work together.

Regulatory Development

Create adaptable frameworks for evolving technology.

Privacy Protections

Ensure personal data remains secure in AI systems.

Accountability Measures

Establish clear responsibility for AI outputs.

Conclusion: Balancing Innovation and Ethics

Ethical Balance

Innovation must be weighed against societal impact.

Collective Responsibility

All stakeholders must participate in ethical frameworks.

Positive Potential

AI can enhance creativity without compromising standards.

Future Guidance

Ethics must evolve alongside technological advancement.

The Dark Side of AI Imagery

Visual AI technologies present growing ethical challenges in our digital landscape. Their impact on privacy, consent, and trust spans globally.

By 2025, AI-generated content could have a $500 billion economic impact.

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Understanding AI Visual Generation

Hyperrealistic Creation

AI can now create images and videos indistinguishable from reality. These technologies can fabricate realistic scenes that never occurred.

Concerning Statistics

95% of deepfakes target women's identities. This raises serious concerns about gender-based technological exploitation.

Advanced Technologies

Tools like DALL-E and Midjourney can generate convincing imagery from simple text prompts. This capability creates significant ethical challenges.

Deepfake Technology: The Threat Landscape

National Security

Potential for misinformation campaigns targeting governments

Criminal Exploitation

Used for fraud, blackmail, and organized disinformation

Reputation Damage

Can destroy careers and relationships instantly

Non-consensual Content

96% of deepfakes created without permission

Consent and Personal Image Rights

Privacy Violations

AI image manipulation violates fundamental individual rights to control personal likeness.

Legal Gaps

No comprehensive framework protects against AI image abuse. Current laws lag behind technology.

Psychological Impact

Victims experience significant trauma. Marginalized communities face disproportionate targeting.

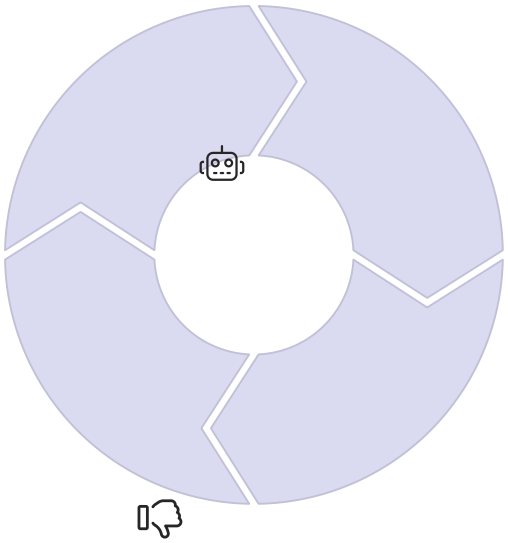
Social Media and Misinformation

Creation

AI generates convincing fake content

Distribution

Content spreads virally through social networks



Impact

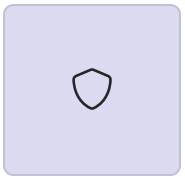
Trust in digital media erodes significantly

Consumption

75% of users cannot recognize AI fakes

Realistic AI imagery enables psychological manipulation at unprecedented scale.

Technological and Legal Challenges

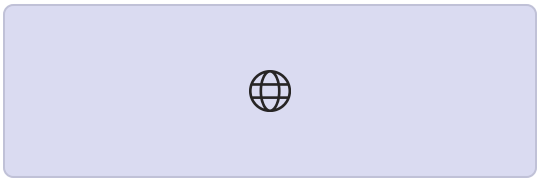


Verification Technology

Limited tools exist to authenticate digital content

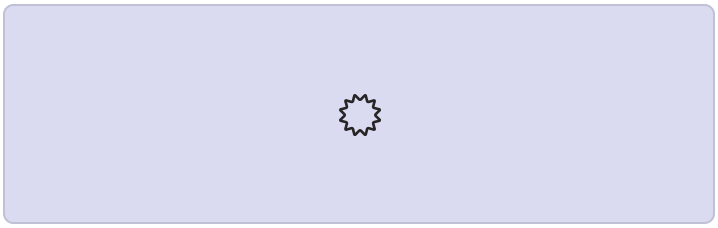
Legal Frameworks

Laws struggle to address AI-specific issues



Global Regulation

Need for international cooperation on standards



Ethical Guidelines

Industry needs comprehensive development protocols

Potential Solutions and Mitigation

Detection Technologies

- AI watermarking systems
- Neural fingerprinting
- Anomaly detection algorithms

Verification Systems

- Blockchain content authentication
- Digital provenance tracking
- Tamper-evident metadata

User Protection

- Strict consent requirements
- Digital literacy education
- Accessible verification tools

Protecting Humanity in the AI Era

Ethical Innovation

Balance technological advancement with human values.

Human-Centric Focus

Prioritize people's rights over technological capabilities.

Shared Responsibility

Everyone must participate in creating responsible AI systems.

Action Required

Tech companies, lawmakers, and users must act now.

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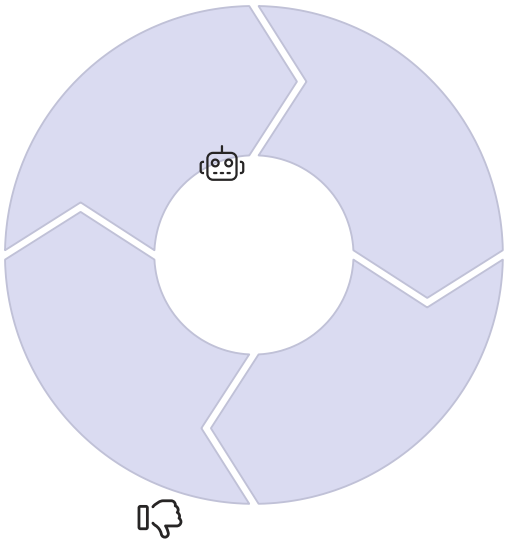

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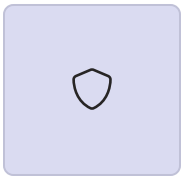

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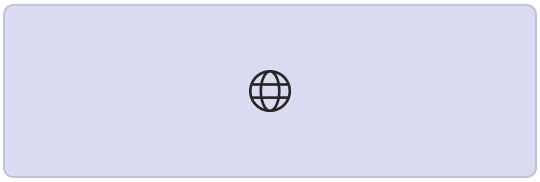

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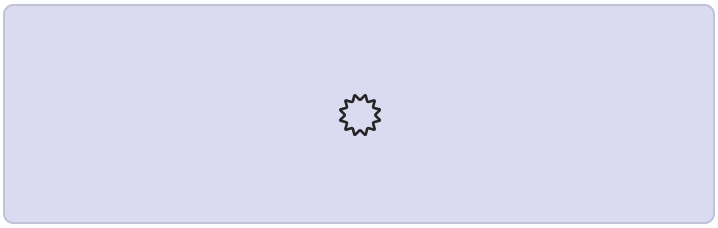

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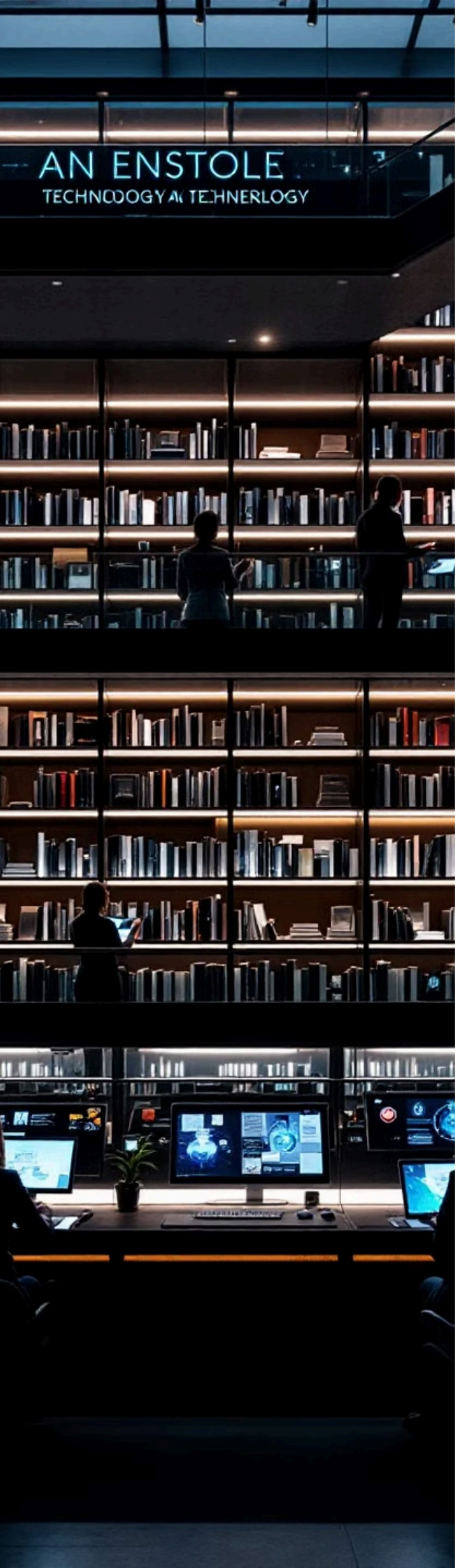


Ethical Challenges of AI in Libraries

Libraries now sit at the intersection of tradition and innovation. As AI transforms library services, ethical considerations become paramount.

We must balance technological advancement with core library values of equity, privacy, and intellectual freedom.

by Ty Davis-Turcotte

Understanding AI in Library Context

What is AI?

Programs performing human-like tasks through perception, learning, reasoning, and decision-making.

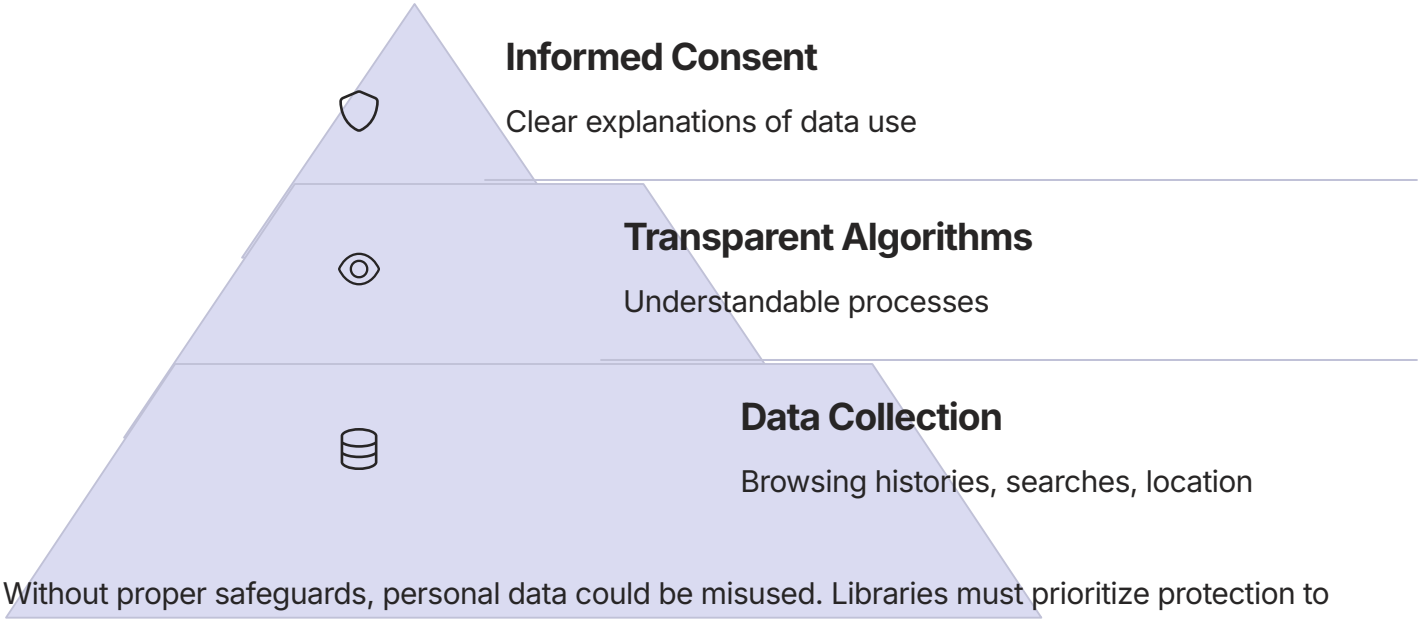
Library Applications

Automated cataloging, personalized recommendations, chatbots, and predictive resource allocation.

Key Risks

Bias in algorithms, privacy violations, lack of transparency, and workforce displacement.

Privacy Concerns



Without proper safeguards, personal data could be misused. Libraries must prioritize protection to maintain public trust.

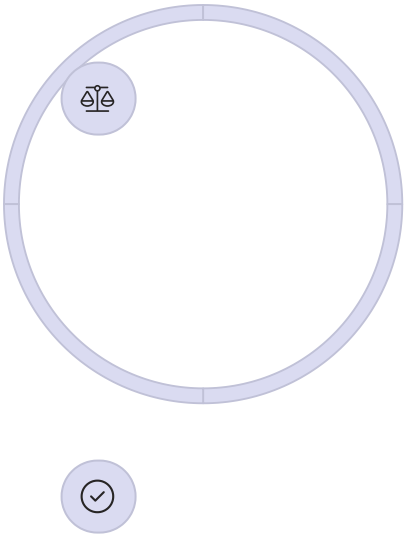
Bias and Fairness

Inherited Bias

AI systems reflect biases in training data

Core Values

Fairness as organizational priority



Diverse Teams

Multiple perspectives reduce bias

Ethics Training

Regular education on diversity issues

Transparency and Accountability

Identify "Black Box" Issues

Recognize when AI decisions can't be explained. Question systems with limited interpretability.

Establish Clear Responsibility

Define who's accountable when AI makes errors. Create frameworks for addressing mistakes.

Develop Explainable AI

Invest in technologies that provide clear reasoning. Prioritize understandable decision processes.

Human Oversight and Control

AI Implementation

Deploy systems with careful boundaries

Monitoring

Continuous review of decisions

Human Review

Critical evaluation of AI outputs

Multi-stakeholder Collaboration

Technologists, ethicists, and users

Developing Ethical AI Frameworks

Fairness-aware Algorithms

Design systems that detect and mitigate bias. Implement regular testing for discriminatory outputs.

Routine Audits

Schedule regular reviews of AI systems. Examine both code and real-world impacts.

Continuous Vigilance

Maintain ongoing monitoring processes. Adjust systems as new ethical challenges emerge.

Conclusion

Powerful Tool

AI offers transformative potential for library services when implemented thoughtfully.

Guided by Values

Ethical principles must steer all AI implementation decisions.

Human-Centered Focus

Technology should enhance, not replace, human judgment and connection.