AI + Ethics

Ethical Considerations in AI and Software Development

CSCE 311 - Operating Systems

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[Photo of artificial intelligence concept]

Introduction to AI in Computing

AI has rapidly changed software development.

It allows faster coding, debugging, and testing.

Raises new ethical questions about its use and impact.

[Photo of futuristic AI in programming]

Benefits of AI Tools

- Predictive coding and automated testing.
- Speeds up development cycles.
- Improves productivity and efficiency.

[Photo of AI-assisted software development]

Ethical Issues: Job Displacement

- AI threatens some software development jobs.
- Companies may replace humans to cut costs.
- Raises concerns about economic fairness.

[Photo representing job automation]

Ethical Issues: Privacy and Bias

- AI trained on large datasets can leak personal data.
- Risk of biased AI due to skewed training data.
- Can lead to unfair or manipulated outcomes.

[Photo representing data privacy and fairness]

Christian Ethical Perspective

- AI should help, not replace, human creativity.
- Genesis encourages stewardship, not harm.
- AI must align with love, fairness, and responsibility.

[Photo of Bible open with focus on stewardship]

ACM Code of Ethics

- Honesty and fairness in system design.
- Minimize harm and maximize transparency.
- Promote social good through AI responsibility.

[Photo of ACM logo with ethical keywords]

Comparison of Perspectives

- Both Christian and ACM ethics emphasize fairness.
- Christianity leans more cautious toward AI use.
- ACM allows more AI use with oversight.

[Photo comparing two ethical views]

Conclusion

AI boosts productivity but must be used ethically.

We must protect jobs, privacy, and truthfulness.

Ethical responsibility is key in AI's future.

[Photo symbolizing balanced future in AI]