

Accelerating Accessibility: AI-Powered PowerPoint Remediation for Career and Technical Education

AT A GLANCE

Challenges

- Time-intensive manual PowerPoint remediation
- Risk of missed accessibility issues
- No in-house AI development expertise
- Need for cost-effective scalability

Methods

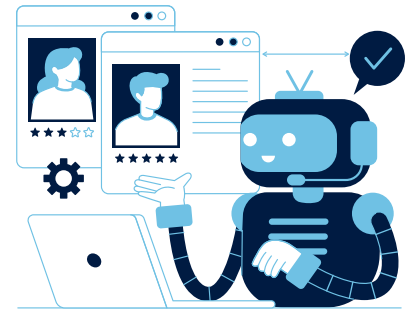
- C#/.NET application design
- Azure OpenAI integration
- Automated accessibility checks
- Human-in-the-loop validation

OBJECTIVES

iCEV, a leading Career and Technical Education (CTE) curriculum provider, needed to remediate thousands of PowerPoints to meet ADA accessibility standards. Their goal was to minimize manual labor, improve accuracy, and create a reusable solution for future materials. IntelliText was engaged to design and develop a cost-effective, scalable tool blending automation and human review, ensuring inclusive content while freeing internal resources for higher-value tasks.

SOLUTIONS

IntelliText built a standalone C# application integrated with Azure OpenAI to automate most accessibility fixes, including generating accurate alt text and correcting common formatting issues. The system flags complex cases for manual review, balancing efficiency and quality. Reusable across future content, the tool significantly cuts remediation time, reduces costs, and ensures sustainable compliance with accessibility guidelines.



BENEFITS



Faster Remediation

Automated workflows cut accessibility editing time by 90%



Cost Savings

Eliminates the need for ongoing manual remediation



Sustainable Compliance

Ensures current and future content meets accessibility standards



IntelliText's AI solution transformed how we approach accessibility. Automating the bulk of the work means we can deliver inclusive content faster, with confidence in its quality.



Steven Lubowicz
Chief Technical Officer, iCEV