Microsoft

Instructional & Secure Use of AI
Microsoft Education

Joe Brazier

Director, Industry Advisor | Microsoft Education

@InclusiveJoeB

LinkedIn.com/JoeBrazier

Agenda
Instructional & Secure Use of AI

Trends & Current State of AI in Higher Education

Move Beyond the Promise to the Practical Side of AI

Unlock New Inspiration by Exploring Learning Scenarios

Microsoft runs on trust

Personal Productivity can Unlock Organizational Change

Next steps to accelerate your AI journey

AI is already transforming Higher Education

95% of faculty and students have used AI for school-related purposes

$3.2 return on investment for every $1 invested into generative AI[2]

70% of the skills used in most jobs will change by 2030, with AI as a primary catalyst[3]
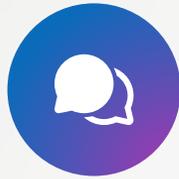
1. Microsoft, AI in Education Report, 2025
2. IDC, IDC InfoBrief: Sponsored by Microsoft, 2024 Business Opportunity of AI, IDC# US52699124, November 2024
3. LinkedIn, AI and the Global Economy: Unlocking Growth and Reshaping Work, 2025

Becoming Frontier | Higher Education

Enrich student experiences

Reinvent campus engagement

Reshape education processes

Bend the curve on innovation

Becoming Frontier

Success Framework

- Enrich student experiences
- Reinvent campus engagement
- Reshape education processes
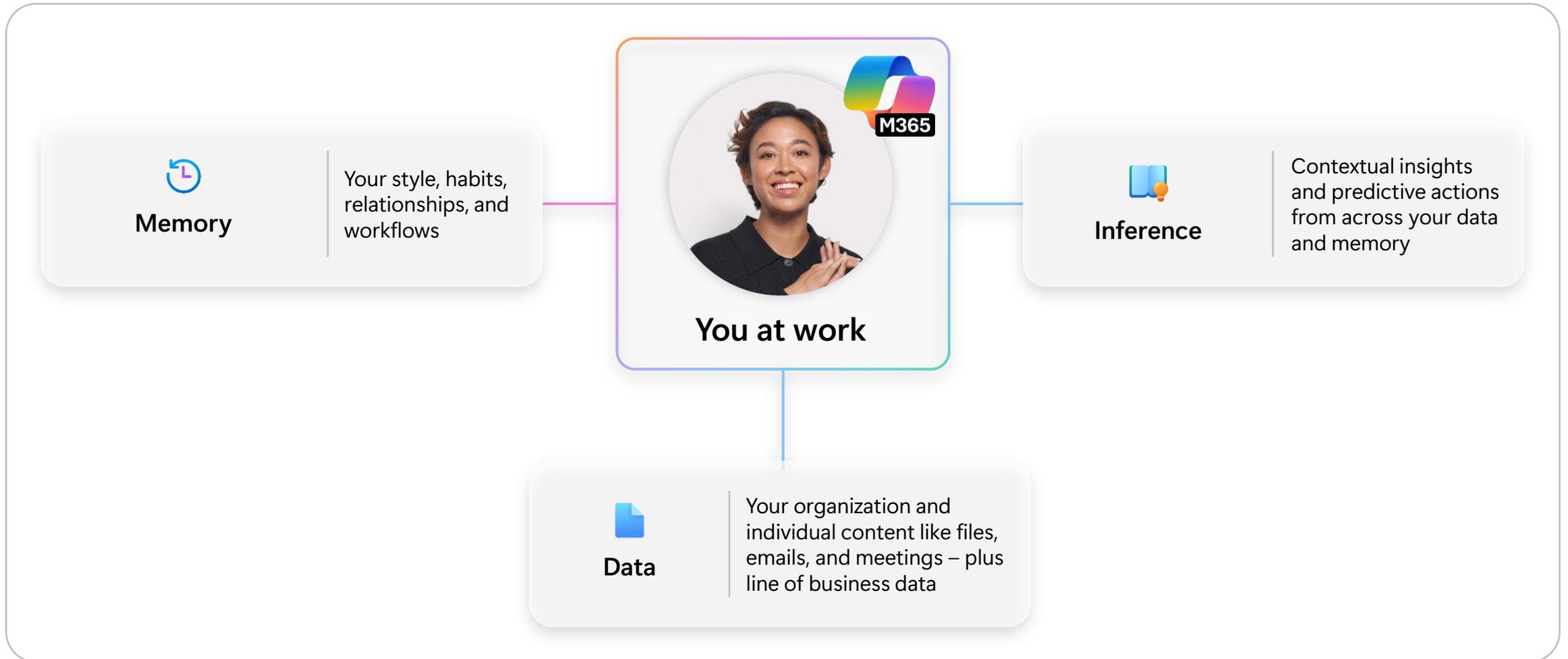- Bend the curve on innovation

Approach

- AI Solutions
- Cloud & AI Platforms
- Security

Your data, your insights – powered by Microsoft Graph

Work IQ

Memory — Your style, habits, relationships, and workflows

You at work — M365

Inference — Contextual insights and predictive actions from across your data and memory

Data — Your organization and individual content like files, emails, and meetings – plus line of business data

Microsoft 365 Copilot is built on trust

1

We secure your data at rest and in transit

2

You control your data

3

Your data is not used to train or enrich foundation AI models

4

You're protected against AI security and copyright risks

Common Misconceptions of Generative AI

1
Copilot exposes data users shouldn't see

Copilot fully inherits Microsoft 365 permissions, ensuring each user can only access content they are already authorized to see.

2
Generative AI is unsafe and produces harmful content

Azure AI Content Safety and Microsoft's responsible AI framework actively detect, mitigate, and govern risks such as harmful content, jailbreaks, and prompt injection attacks.
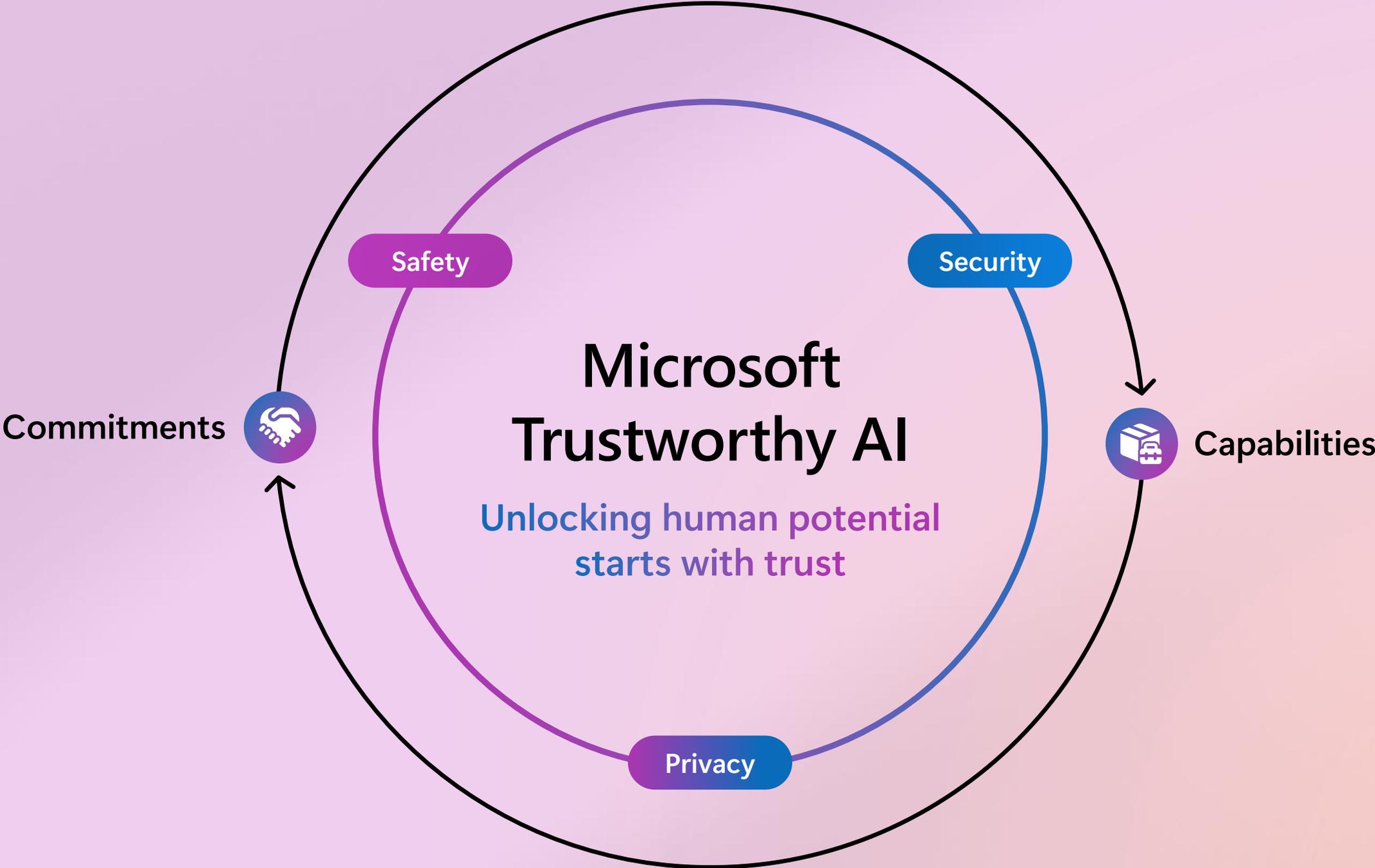
3
We must centralize all university data in a lake before we realize value

You can start safely with governed Microsoft 365 content (respecting existing permissions) and expand to broader data estates over time as your strategy matures.

4
Using AI violates FERPA/GDPR by default

Microsoft provides guidance and capabilities to help institutions meet obligations under regulations like FERPA and GDPR as part of a responsible AI program and adoption roadmap.

Microsoft
Trustworthy AI

Unlocking human potential
starts with trust

Safety

Security

Commitments

Capabilities

Privacy

Secure Future Initiative

Privacy Principles

Responsible AI Principles

Commitments

Microsoft Trustworthy AI

Unlocking human potential starts with trust

Microsoft Trustworthy AI

Unlocking human potential starts with trust

Capabilities

Security

Data security and governance for AI

AI security posture management and threat protection

Compliance management for AI regulations and standards

Prompt Shields to block attacks

Privacy

Privacy Assessments

Consent Management

Data encryption

Confidential computing
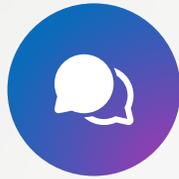
Safety

Groundedness detection and correction

Filters for harmful inputs and outputs

Evaluations to assess the quality and safety of AI outputs

Becoming Frontier | Higher Education

Enrich student experiences

Reinvent campus engagement

Reshape education processes

Bend the curve on innovation

Enrich student experiences

Tecnológico de Monterrey

TECgpt increases student confidence and personalizes learning

"It's a game changer," he says. "It's like having a scholar by your side you can interact with. It's the talk of the town right now."

– David Balleza
Third-year computer systems engineering student

Outcomes

Improved student confidence:
Tailored academic assistance, helped students feel more capable and assured in their studies

Enhanced learning process:
Made complex concepts more accessible to students through TECgpt and Academic TECbot

Time savings for professors:
Saved time for professors allowed for the creation of more engaging materials

Read full story here

Reinvent campus engagement

THE UNIVERSITY OF SYDNEY

Cogniti helps build hands-on learning opportunities guided by educators

Read full story here

"Mrs. S was created in Cogniti to provide that real-time feedback to students, giving them a chance to practice as a novice occupational therapist. The first time that we used Mrs. S in the class, there was a students saying to me 'Oh my goodness this is such a good way to practice talking with clients and their families' and to me that was the best because that was what I wanted."

– Dr. Joanne Hinitt
Lecturer, Occupational Therapy, The University of Sydney

Outcomes

Transformed teaching workflows:
Simulated new career-relevant learning experiences, saved time and improved feedback consistency
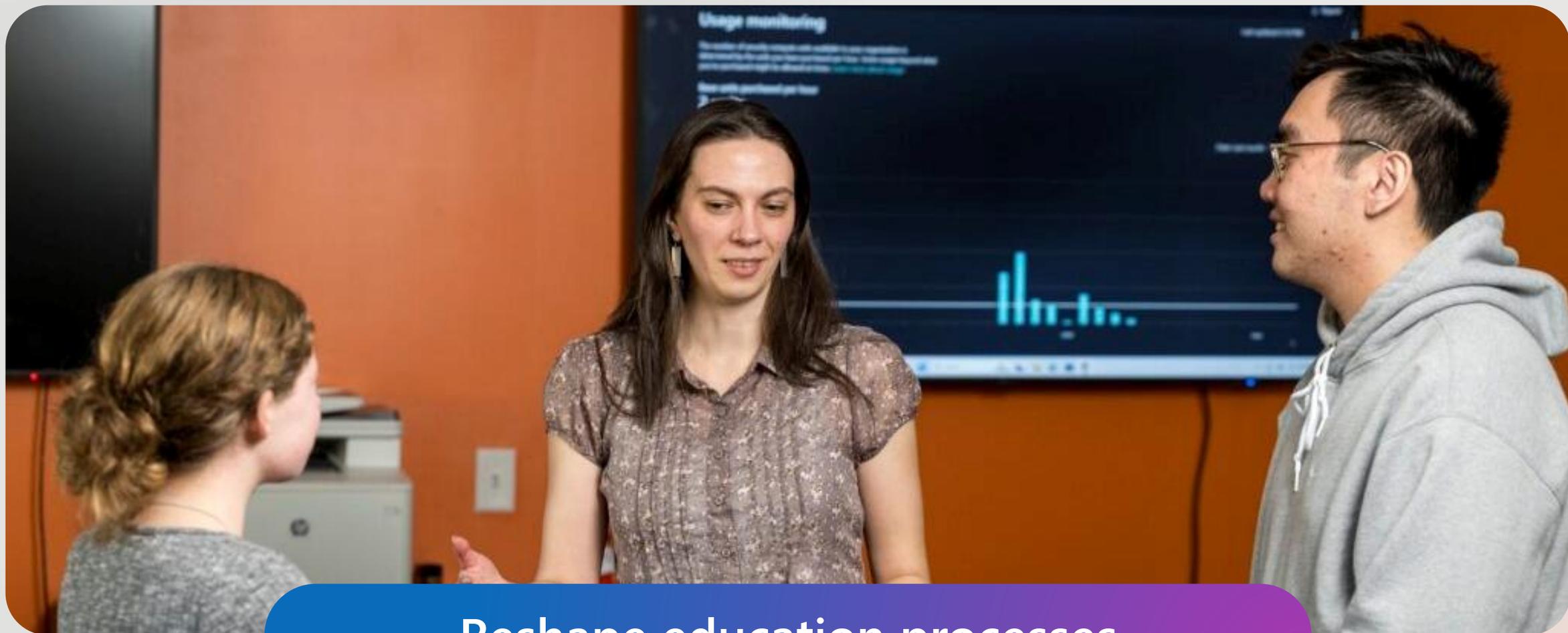
Enabled custom teaching tools:
Launched faculty-built AI assistants in their LMS to enhance learning

Fostered innovation:
Implemented guardrails for responsible, inclusive AI experimentation across campus

Reshape education processes

TORRENS UNIVERSITY AUSTRALIA

Torrens uses AI to standardize and increase efficiency of course updates

Read full story here

"In a cost-sensitive world, the fact that we achieved 100 per cent mobile responsiveness and a completely accessible and inclusive environment while saving A$2.4 million is phenomenal."

– Eoghan Hogan
Director of Transformation at Torrens University

Outcomes

Reduced costs:
Leveraged generative AI to save $2.4 Million and 20,000 hours in refreshing its online learning content

Enhanced learning experience:
Improved the digital community for students by analyzing and reorganizing over 1,200 courses and 60,000 web pages

Improved accessibility:
Provided a consistent and convenient learning experience, available anytime and anywhere

Bend the curve on innovation

NAU unlocks actionable insights and improves operations and sustainability with Willow

"We could comprehensively see what was going on at the university any given moment in time, and act accordingly."

– Patrick Winter
Head of Technology and Innovation, Xavier College

Outcomes

Advanced sustainability tracking:
Leveraged AI to monitor and optimize energy usage, supporting campus-wide sustainability goals

Optimized facilities management:
Applied AI-driven insights to proactively maintain infrastructure and reduce operational disruptions

Informed resource planning:
Integrated real-time analytics to guide long-term decision-making for greener, more efficient operations

Read full story here

HED GenAI Accessibility Innovation Opportunities
Multi-modality out of the box

AI Use Case	Benefits	Powered by	Adopted by
Copilots and chatbots Admissions/Enrollment copilot Advising & student-services bot in LMS IT/Library copilot in Teams	**Cross-disability** 24×7 support, higher belonging & retention | Accessible, multilingual help	Azure OpenAI + AI Search | Azure Speech (STT/TTS) | Translator, Content Safety; Copilot Studio/Power Platform	Anthology
Live captions Teams classes/meetings with live captions & transcripts Lecture capture with automated captions & searchable transcripts	**Hearing | Neurodiversity** Accessibility for Deaf & hard-of-hearing | Better comprehension for multilingual learners	Azure AI Speech (STT) | Azure AI Video Indexer | Translator	Ravnur
Content reading Immersive Reader inside LMS pages and syllabus Reading supports in M365 apps	**Vision | Neurodiversity** Comprehension support for dyslexia, ADHD, ELL, etc. | UDL-aligned	Azure AI Immersive Reader (Applied AI Service)	Anthology Ally / CANVAS BY INSTRUCTURE
AAC* Students use eye-gaze/switch AAC apps with natural voices for classes and presentations	**Speech | Neurodiversity** Natural, expressive communication | Multi-language options | Participation equity	Azure AI Speech (Neural Voice) | Optional Custom Neural Voice | Speech SDK	tobii dynavox
Image/Video Descriptions Auto-alt-text for course images; lecture video OCR + topic/summary generation in the LMS	**Vision** Faster remediation, equitable access to visual content | Study aids	Azure AI Video Indexer (+ Azure OpenAI for summaries) | Azure AI Vision	Ravnur

Where are you on the journey to Becoming Frontier?

Success framework

Enrich student experiences

- Are your students using AI to learn in the ways that work for them and gain relevant skills?
- Are you providing agents to students for more engaging, always-on support and meaningful, career-ready experiences?
- Are you leveraging AI and agents to effectively measure, personalize, and transform learning across the institution?

Reinvent campus engagement

- Do you empower educators, students, and staff to spend more time collaborating and connecting?
- Are staff using agents to seamlessly connect students to the services and information they need?
- Do you leverage AI and agents to reach and retain students with tailored support to help them thrive in each phase of their journey?

Reshape education processes

- Are staff using AI to streamline workflows and synthesize information while also boosting productivity and creativity?
- Are you empowering departments with agents to expedite common processes and improve the experiences they provide?
- Are you using AI and agents to optimize operations, facilities management, and cybersecurity?

Bend the curve on innovation

- Are faculty empowered to securely increase their research impact with AI-enhanced processes?
- Do you use agents to uncover and democratize access to institutional insights that can be leveraged to advance strategic plans?
- Are you using AI and agents to unlock innovation and provide differentiated experiences?

Personal Productivity to Unlock Organizational Change

Copilot Productivity Features

Microsoft 365 Copilot Productivity Features

1

Build your
Prompt Gallery
with your
most useful
prompts

2

Start
Scheduling
Prompts you
use regularly

3

Review your
Memory
to see what
Copilot knows
about you

4

Leverage
Instructions to
create the
outputs you
need

Microsoft 365 Copilot Productivity Features

1

Build your Prompt Gallery with your most useful prompts

Jumpstart productivity
Provides curated, ready-to-use prompts for common tasks, reducing time spent crafting queries from scratch

Consistency Across Teams
Enables sharing and saving of prompts, ensuring standardized workflows and best practices

Role-Specific Inspiration
Offers prompts tailored to different roles and scenarios, helping users discover new use cases quickly

Learning & Adoption
Acts as a central hub for onboarding and improving prompt skills, accelerating Copilot adoption

Microsoft 365 Copilot Productivity Features

2

Start
Scheduling Prompts you use regularly

Automate Repetitive Tasks
Schedule prompts to run at set times, eliminating manual repetition for routine actions

Improved Time Management
Keeps workflows organized with timely updates, summaries, and reminders

Flexible Customization
Supports daily, weekly, or monthly schedules to fit individual or team needs

Boost Focus & Efficiency
Frees users from low-value tasks, allowing more attention on strategic work

Microsoft 365 Copilot Productivity Features

3

Review your **Memory** to see what Copilot knows about you

Personalized Assistance
Remembers user preferences (tone, format, recurring topics) for tailored outputs

Reduced Repetition
Eliminates the need to re-enter context, speeding up document creation and communication

Context-Aware Responses
Leverages past interactions for more relevant and accurate suggestions

Enhanced Adoption
Builds confidence and engagement through consistent, user-specific experiences

Microsoft 365 Copilot Productivity Features

4

Leverage Instructions to create the outputs you need

Precision Control
Lets users define style, tone, and structure for outputs, ensuring alignment with expectations

Workflow Optimization
Applies instructions across apps (Word, Excel, Outlook), reducing editing time
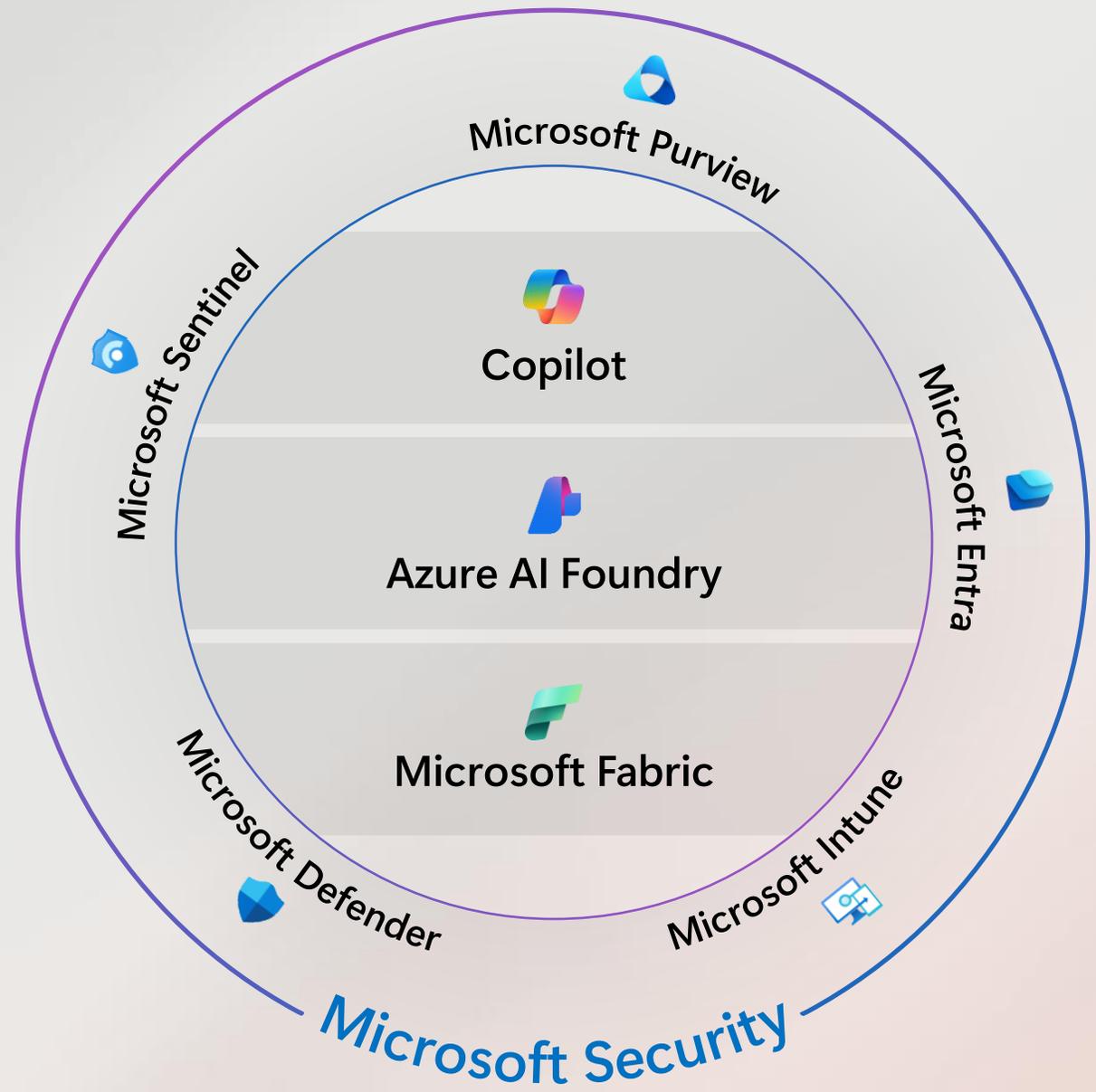
Consistency in Deliverables
Maintains brand and communication standards automatically

Faster Task Completion
Minimizes back-and-forth by generating outputs that meet requirements on the first try

End-to-end security for your **AI transformation**

Microsoft Purview

Microsoft Sentinel

Microsoft Entra

Copilot

Azure AI Foundry

Microsoft Fabric

Microsoft Defender

Microsoft Intune

Microsoft Security

Enabling AI Transformation

81%
of education professionals are bringing their own AI to work (BYOAI)

Provide secure AI solutions for all

2024 Work Trend Index Annual Survey: Education insights

45%
of educators report they haven't received any AI training from their institution

Facilitate broad and specialized training

AI in Education, A Microsoft Special Report

93%
of students have used AI for school-related purposes

Establish clear guidelines and build AI skills

AI in Education, A Microsoft Special Report

Next steps: Accelerate your AI journey

Discover priority AI use cases	**Evaluate your data readiness for AI**	**Begin your AI journey with Copilot**	**Explore AI from Microsoft Education**
Identify areas of highest impact for AI to support your education strategy	Learn how migrating your data to Azure can give you the foundation for better AI experiences	Unsure of where to start your AI journey? Harness Copilot in the Microsoft products you already use	Use AI experiences built for education to help jumpstart your journey
Schedule a deep dive to explore AI use cases	**Conduct a data estate assessment**	**Start using Copilot across products today**	**Learn more about Microsoft Education**
Schedule a conversation	Conduct assessment	Explore options	Learn more

Thank you