AI@NU

Andrew Buker

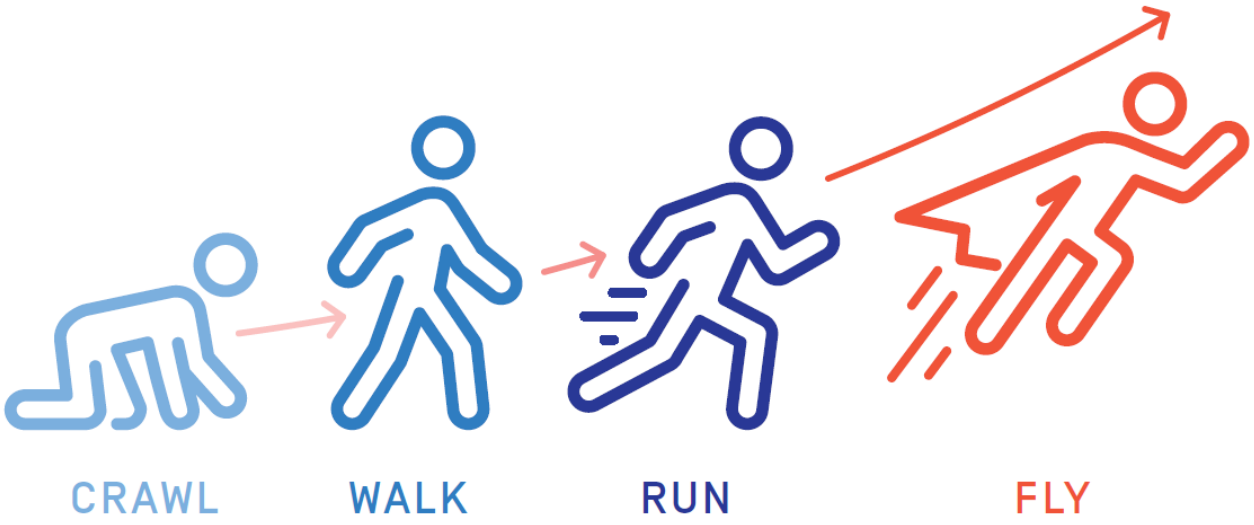
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University of Nebraska System

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AI @ NU



How can we enable the use of AI across the NU System while controlling our risk?

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NU Policy Structure

- Executive Memorandums
  - 16: **Responsible Use of University Computers and Information Systems**
  - 26: **University of Nebraska Information Security Plan**
  - 41: **Policy on Research Data Security**
  - 42: **Policy on Risk Classification and Minimum Security Standards**
  - 48: **Acceptable Use of Artificial Intelligence Systems** (pending)
- IT Standards
- Records Retention Schedules

Data Risk Classification

- **Low Risk**
  - The data can generally be made available to the public without harm to the University, entities with an affiliation to the University, or to individuals; and
  - Loss of confidentiality, integrity, or availability could have a limited adverse impact on organizational mission, operations, assets, reputation, or on individuals.
- **Medium Risk**
  - Not legally available to the public; or
  - Loss of confidentiality, integrity, or availability could have a moderate adverse impact on organizational mission, operations, assets, reputation, or on individuals.
- **High Risk**
  - Data is confidential, restricted, or sensitive.
  - Protection of the data is required by law, regulation, or sponsor requirements.
  - The University is required to self-report to the government and/or provide notice to the individual if the data is inappropriately accessed.
  - Loss of confidentiality, integrity, or availability could have a significant adverse impact on organizational mission, operations, assets, reputation, or on individuals.

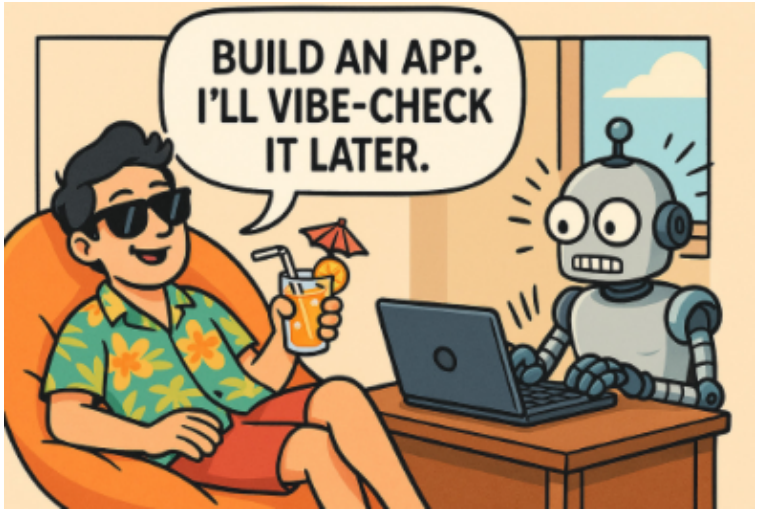
NU AI Journey

Nov 2022: ChatGPT 3.5 Release (1M users in 5 days)
Feb 2024: Initial generative AI guidance published
May 2024: UNO AI Learning Lab founded/ChatGPT EDU purchased
Sep 2024: enabled Zoom AI Companion
Oct 2024: established an AI Task Force
Jan 2025: enabled Copilot Chat / MS365 Copilot
Aug 2025: ChatGPT EDU pilot expansion for UNL, UNK, and NCTA
Feb 2026: launched NU AI Institute
Jul 2026: NU-wide ChatGPT expansion
Sep 2026: AI Training requirement established
Oct 2026: EM48 enacted

Key Milestones

New Risks

- Discoverability
- IP/Copyright Infringement
- Bias
- Data Leakage
- Connectors and Data Tagging
- High Risk Models (GPT-Rosalind)
- Vibe-Coding
- Model Training Behavior



duolearn.tech web advertisement

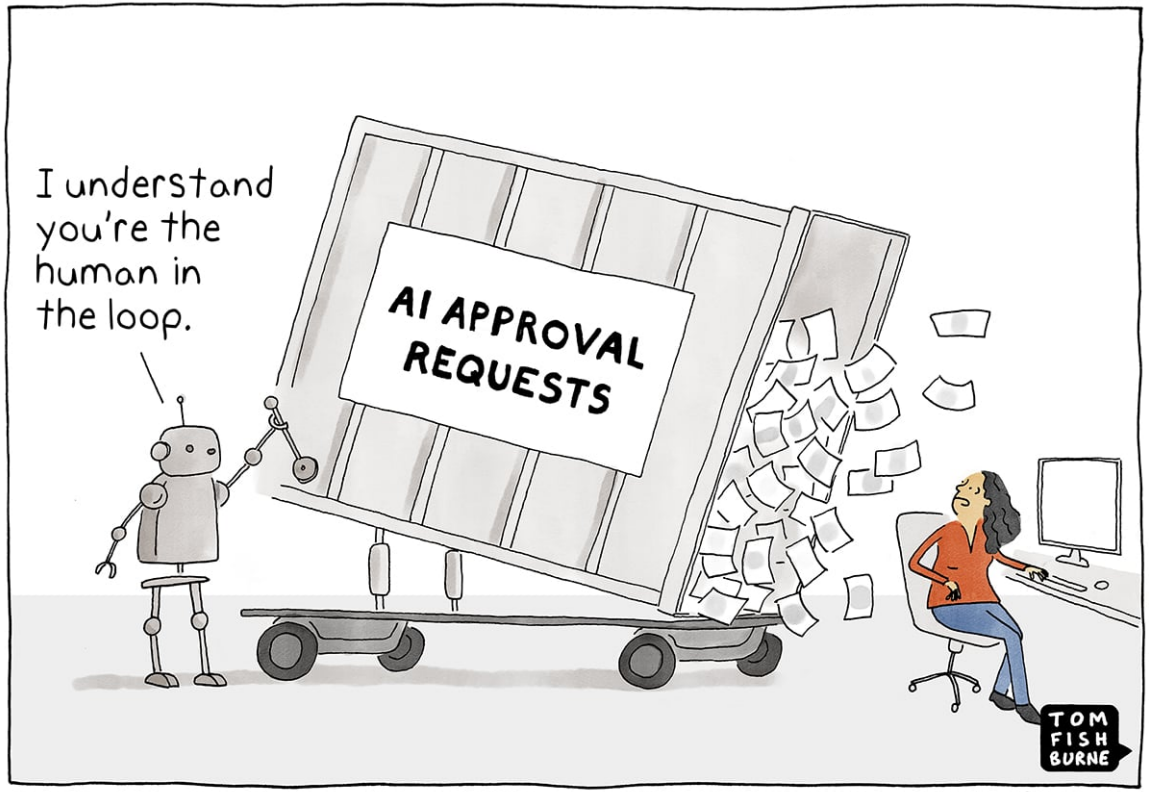
New Risks

- Navier-Stokes Problem (fluid dynamics modeling)
  - 1 of 7 Millennium Problems defined by Clay Mathematics Institute with a $1M prize.
  - Tristan Buckmaster of NYU an Levent Alpoge with Anthropic make significant progress on the problem using OpenAI Codex and Anthropic Claude.
  - OpenAI assigned 10,000 agents to the same task, produced a proof in 88 hours.
  - Allegation that OpenAI may have copied and/or used the research data from Buckmaster and Alpoge in their proof.

science.org, 8 Sep 2026

SCALING SUPPORT & AUTOMATION

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I understand you're the human in the loop.
AI APPROVAL REQUESTS
TOM FISH BURNE
© marketoonist.com

Categories of Tools

- NU AI Tools
  - Enterprise (“University Approved AI Technology”)
  - Paid Consumer
    - including those purchased on University P-Cards
  - Free

NU ITS Support of AI

Client Services	LT Training & Development Team	LT Emerging Tech Team	Infrastructure	Enterprise Systems/App Dev	Cybersecurity Team	NU AI Governance Committee
- Tier I User Support - Knowledge Base - Intake Forms	- Broadly Available AI Training in Bridge	- Strategy - Tier II User Support - Partnerships - Pilots - Core SME	- Automation and Billing - Core AI Infrastructure Management - Overall System Administrator Role	- Custom - App Dev - Enterprise Tool Support	- Feature Allowances within Existing Tools	- Governance - Exception Process & Exceptions

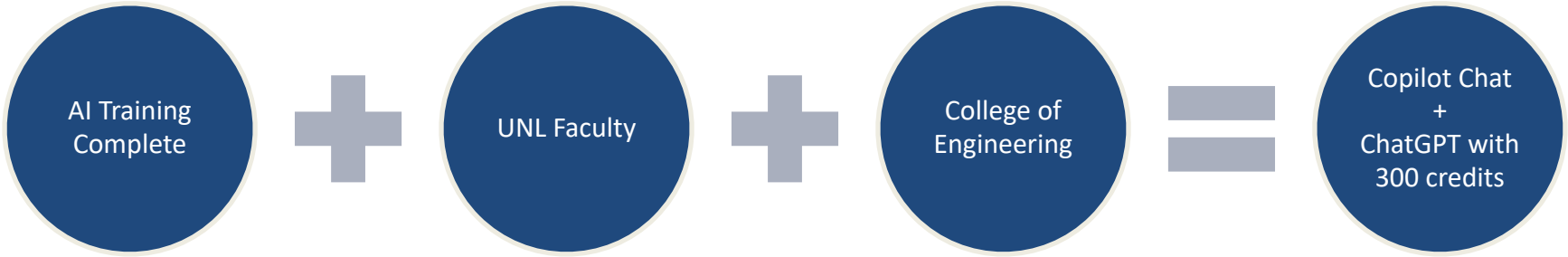
Required AI Training



- Overview of Tools and Policies
- Data Classification
- Discoverability
- IP/Copyright
- Overreliance, Accuracy, Bias
- Transparency
- Privacy

Licensing Automation

- Driven by IAM platform and Grouper



Strategic clarity beats tools in driving sustained impact.

Employees with “strong strategic clarity and limited access to tools” outperformed (by 20 percentage points) those with “limited strategic clarity and strong access to tools.”

Boston Consulting Group AI at Work study, June 2026

AI SERVICE CATALOG

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Enterprise Tools











API and GPU Based Tools





HOLLAND COMPUTING CENTER



Active Pilots









CURRENT PROJECTS

University of Nebraska System

Executive Memorandum 48

Acceptable Use of Artificial Intelligence Systems

- Implementation Plan
- AI Governance Committee
- Exception Process

OpenAI Enterprise Launch

- Basic Access (free):
  - Sol 5.6 Instant and 5.6 Luna
  - 3 Image Generations per 24-hour period
  - 5 Deep Research Queries per 24-hour period
  - Web Search function
  - File uploads
  - Skills
- Credit Based (varies by campus or $ subscription):
  - Other models
  - Voice
  - Agent
  - Codex/Work



LibreChat Evaluation

- Front end for multiple LLMs
  - Mainstream
  - National Research Platform
  - Local and Cloud HPC/GPU
- Centralized API Control
- Model Steering
- Cost Optimization
- [Boise State AI Example]



Exciting Work

- ADA Title II Compliance
- Contract Redlining and Workflow
- Grant Research Opportunity Wizard (GROW) v2
- Internet2's HAWAT and Periscope Projects
- MCP Server Pilots for Data Warehouse(s)
- Solutions that support high risk data (CMMC, NIST 800-171, HIPAA)
- Data center implications for 120-140kW racks

Resources

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- NU ITS AI Website
- AI Resource Hub
- NU Policies
- IT Standards
- NU AI Institute
- UNO AI Learning Lab
- OpenAI Education Hub

QUESTIONS

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