

October 2025



NEW: Labor Market Bytes

The National IT Innovation Center (NITIC) is excited to announce the launch of Labor Market Bytes, a new data briefing designed to equip IT faculty and workforce stakeholders with timely insights into employment trends, emerging skills, and industry projections.

The September 2025 edition of Labor Market Bytes focuses on the growing intersection of Artificial Intelligence (AI) and Cybersecurity in entry-level IT roles. Key findings include:

- A 112% year-over-year increase in entry-level job postings requiring AI-related skills from 2024 to 2025.
- Over 550,000 IT professional networking profiles now list AI competencies, with 53% of those individuals having 0–3 years of experience.
- AI is increasingly embedded in cybersecurity job descriptions, with postings mentioning AI growing by 62% from 2023 to 2025.

[See full article](#)

NEW: Innovation Hub

NITIC would like to introduce the Innovation Hub, a refreshed and expanded platform built on the foundation of the Innovation Clearinghouse. This new platform is designed to be a one-stop destination for educators, workforce developers, and industry collaborators seeking resources for IT education.

The Innovation Hub offers:

- [Educator Exchange](#): Access and share materials and resources that support IT education.
- [Faculty Resource Index](#): A rich catalog of software, publications and networks, AI platforms, and industry training for IT educators to explore.

[See full article](#)



Calendar

Sept. 12 - Oct. 24: Fall Working Connections

Oct. 3: CoP Event - Equipped for the Job

Oct. 8: CoP Event - AI Workshop pt. 1

Oct. 15: CoP Event - AI Workshop pt. 2

Oct. 29-31: NSF ATE PI Conference

Nov. 7: CoP Event - Get More from AI

Nov. 19: Tech Talks: Cyber, Networking

Dec. 5: CoP Event - TBD

Dec. 16-18: Winter Working Connections

Jan. 23: CoP Event - Power Apps

April 24: Working Connections Symposium

Featured Labor Market Reports

Lightcast - Beyond the Buzz

Lightcast - The Rising Storm

WEF Future of Jobs Report 2025

Featured Blog: Vibe Coding - Will it Change How We Teach Programming?



Vibe Coding is an emerging paradigm in software development that leverages large language models (LLMs) and other AI assistants to generate functional code from natural language prompts. Open AI Co-Founder and Ex-Tesla AI Senior Director Andrej Karpathy coined the word 'Vibe Coding'.

Vibe Coding, describes a workflow where the primary roles shifts from writing code line-by-line to guiding an AI assistant to generate, refine, and debug an application through a more conversational process.

[See full article](#)

IT Innovation Network

A community of practice for faculty sharing, learning, and problem solving

We have a lot of exciting CoP events coming up this semester full of engaging topics and new formats. Click below to register.

National BILT Meeting - Infrastructure & Cloud
Date: Nov 4
at 11:30 AM ET

Getting More from AI
Dates: Nov 7 at 1 PM ET
Presenter: Wade Huber

Tech Talks: Cyber, Networking, Infra, PM
Date: Nov 19 at 1 PM ET
Presenter: Tech Team

TBD Cop Event
Dates: Dec 5
at 1 PM ET
Presenter: TBD

[Register Here](#)

ITIN Membership



Not an ITIN member? Colleges across the country have joined the ITIN, granting their faculty and staff access to benefits like our webinar series, mini grants, priority registration to Working Connections, BILT support, and more! **Membership is FREE!**

STEP 1: [ITIN Organization Membership Application](#)

STEP 2: [Create ITIN Member Login](#)

Working Connections
IT Faculty Development Institute

Fall 2025 Working Connections Underway

The Fall 2025 session of Working Connections is officially underway, with 83 educators participating this season. Classes are running on Friday evenings from 3-7:30 PM ET.

Track Topics This Fall: Azure AI Fundamentals, CompTIA Server+/Server Administration, Generative AI, and ICS for IT Educators

The Engagez platform, the new LLM for Working Connections, has been officially rolled out. Credly badges are also up to date, with 410 badges having been accepted by attendees all-time.

Save the Dates!

Winter Working Connections

Dates: December 16-18, Online

Time: 10:00 AM - 6:30 PM ET

Track Topics:

AWS AI

Data Analytics

Professional Skills

Cyber for Beginners

(Topics are tentative)

Registration opening in late October!



Network members are invited to attend the National BILT meetings, with outcomes on our website for institutions to access. NITIC collaborates with industry leaders nationwide through frequent BILT meetings. Mega BILT meetings look at trends across disciplines while SME BILTs focus on a single IT discipline and prioritize essential job skills.

Industry Insights - What's Trending

Key IT trends from BILT meetings in July and August 2025:

1. Companies are worried about securing AI tools
2. Quantum computing is coming, but it's not here yet
3. Prompt engineering remains an important skill
4. Students need to learn foundation AI and machine learning skills
5. In software development, security must be "baked" in from the beginning

[See Full Trends Results Summer 2025](#)

National BILT Meetings

SME BILT - Infrastructure and Cloud Nov 4
from 11:30 to 1:00 ET

[Register Here](#)

Congratulations Round II Awardees!



- Collin College
- Cuyahoga Community College
- Forsyth Tech Community College
- Kilgore College
- Lone Star College
- North Arkansas College
- Sam Houston State University

Mini-Grants for Innovation Projects

Building on the momentum of its first round, NITIC is excited to announce the recipients of its second round of mini-grants, awarded to member institutions leading innovative projects in emerging technology fields. This round features eight projects whose proposals span a diverse set of focus areas—from autonomous AI to instructional development and technician training environments.

Conferences & Partner-Hosted Opportunities

Connect With Us at the ATE PI Conference in Washington D.C.

Wednesday, October 29

Tech Trends Panel: AI's Impact Across Disciplines

Explore how AI is transforming programming, cybersecurity, data, and software education.

Thursday, October 30

Customizing NITIC Job Skills for Your BILT Voting Form

Learn how to turn KSAs into an online form for employer voting.

Visit Us at ATE Connects!

NITIC will host a booth at both ATE Connections sessions. Stop by to meet the team and discover ways to stay connected to the Center!

Mentor-Connect

Prepare competitive ATE grant proposals by working with an assigned mentor for the October 2026 proposals

Deadline: November 7, 2025

www.mentor-connect.org

Microsoft Cybersecurity Scholarship Program

Powered by Last Mile Education Fund

www.lastmile-ed.org



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