NCE Webinar Series

NATIONAL INITIATIVE FOR CYBERSECURITY EDUCATION



Addressing the Cybersecurity Talent Gap at Scale: Introducing Learning and Employment Records

Today's Panelists



Rodney Petersen - Moderator Director of the National Initiative for Cybersecurity Education (NICE)





Darin Hobbs
University Registrar & Director of
Academic Records and Credentials





Frank C. Cicio
CEO and Founder





Rick Torres

President and CEO



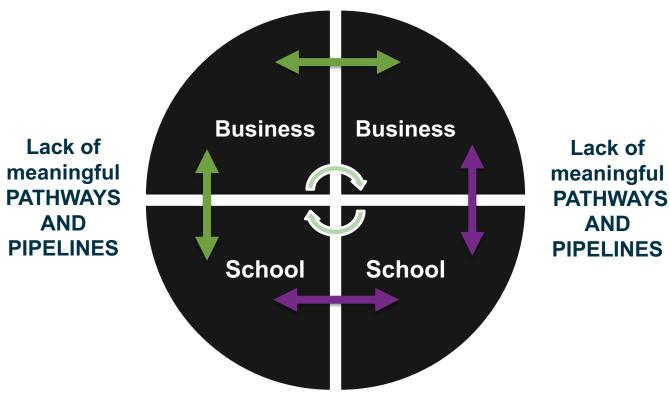


Alex Kaplan Global Leader Blockchain & AI Industry Credentials



Skills mismatch-related inefficiencies and related costs The world of edu-workforce transitions at 30,000 feet

Churn / long training cycles



Transfer and articulation incomparability:

- Longer path to completion: loans, costs
- Skills-based transfers not well defined

CEO led American Workforce Policy Advisory Board Members

Industry LER Pilot Leaders









Education













Industry

















Federal & State Agencies











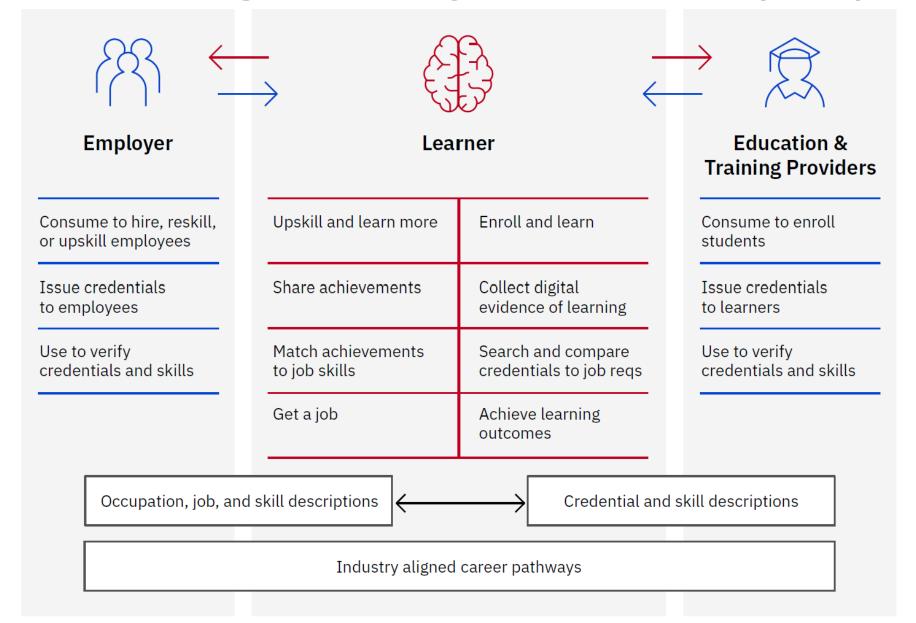
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Learning & Employment Record (LER)



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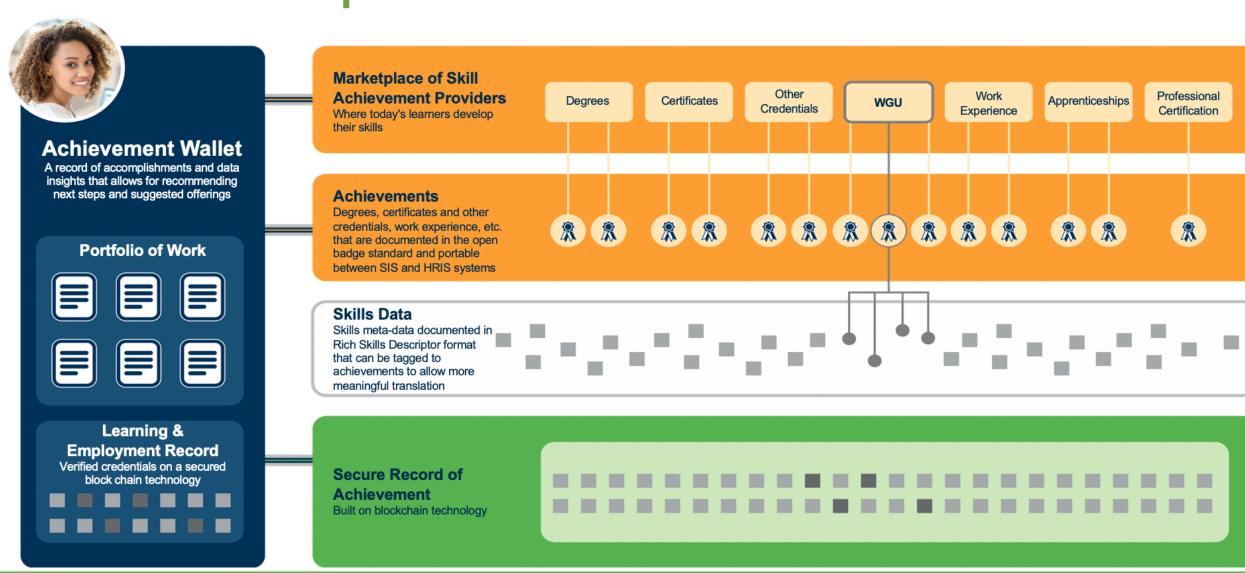
Learning and Employment Record Pilots

The CyberPilot and related eco-System





Platform Components

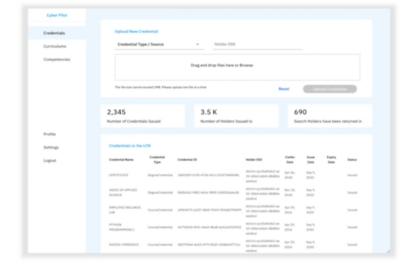




The pilot shows a day in the life of a student, transitioning from school to career, using their verified academic and experiential credentials



Learning Credential Network



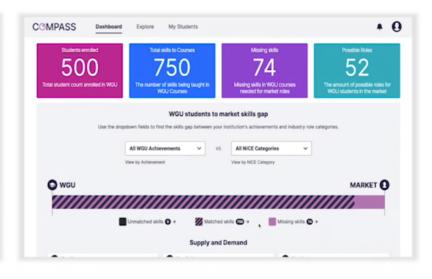


Myhub Wallet





Academic Compass Application









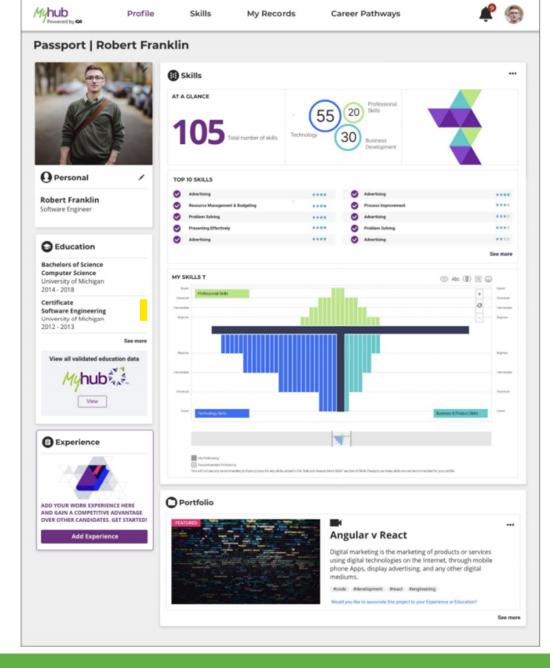




MyhubSM Universal Wallet

The new MyhubSM Universal Wallet being developed as part of the LER project will be ready for fall 2020.

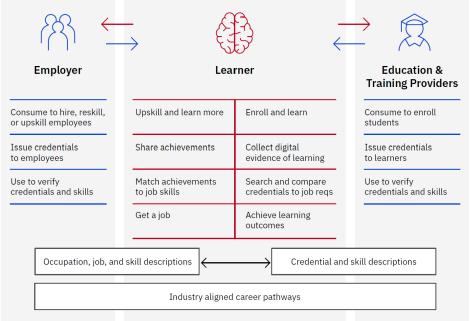
- A single point of integration for all credentials (academic and co-curricular (CLR) and non-academic) whether they exist on the chain or not.
- Learner will leverage real-time market-based skills profiles to determine where they are and the path to obtain the necessary skills.
- Institutions (fee) will be able to assess and advise individuals, groups, classes based on skill gaps.
- **Enterprise** (fee) will be able to do skill-based recruiting.



Why Cybersecurity for the Pilot: well suited for a national use case

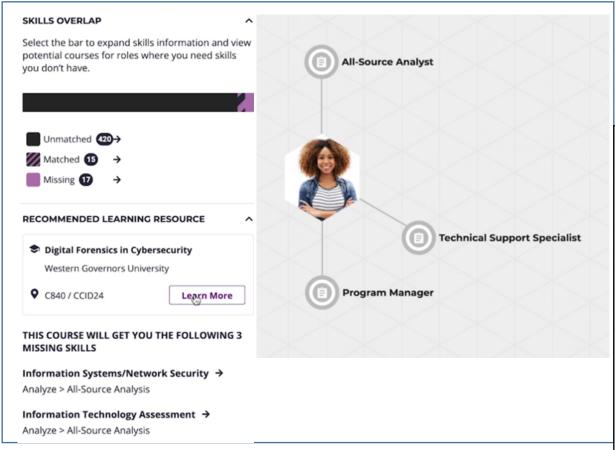
- Proof of concept validation through NYC based Cybersecurity Workforce Alliance
 - Business: ROI gains via skill-based hiring
 - Learner social trajectory gains
 - Academic: Adjusted curriculum to skillsbased outcomes
 - "Virtual Apprenticeships" of "Applied Learning"
- NICE Framework perfectly suited for skillbased course mapping understood by business and academics
- Need: Clear nationwide shortage of talent
- Highly scalable eco-system



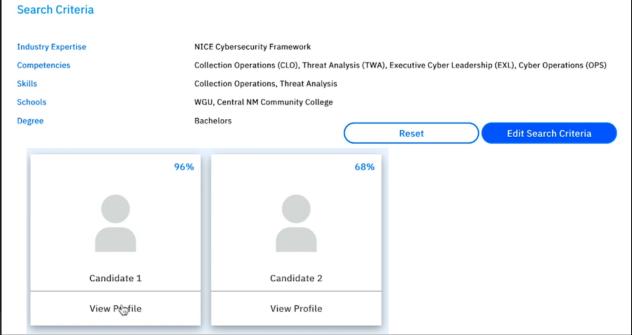


The pilot leverages the NICE Framework for its skills-based achievements and capabilities that guide the learner to the right learning experiences and help employers find the right candidate

The career path



Employers search for job candidates













The cyber pilot successfully demonstrated a replicable model for a national LER infrastructure

Cyberskills pilot goals and objectives	Outcomes
We show a learner's path from high school to a cybersecurity career using validated skills-based credentials	
Using an industry aligned career pathway, learners determine what skills they have and need, and where to get those needed skills	
Learners own their credentials and decide whom they share them with, assuring data privacy is respected	
Employers search for and select qualified candidates using their trusted and validated credentials	
Interoperability with other credential and career pathway systems is demonstrated	











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How do I get involved?





Resources





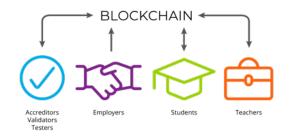
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Blockchain in Education



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Thank You for Joining Us!

Upcoming Webinar: Competencies - The Next Frontier for Closing the Cybersecurity Skills Gap

When: December 16, 2020 at 2pm EST

Register: https://nist-

nice.adobeconnect.com/webinardec2020/event/registration.html

