Microsoft

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UWA Data Institute

Industry Skilling Pathway

SPEAKERS

MICHELLE SANDFORD

Developer Engagement Lead for emerging communities, Microsoft

www.linkedin.com/in/michellesandford/

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Twitter: @codess_aus

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Microsoft AI

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AGENDA

Why add these industry certifications to your workload?

What do the Students say?

What will it be like?

Q&A

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Acknowledgement of Country

SECTION 1

Research findings

MICHELLE SANDFORD
Developer Engagement Lead

Continuous up-skilling leads to career success

"We are in the midst of a skills revolution. People with in-demand skills who can continually learn and adapt can call the shots.

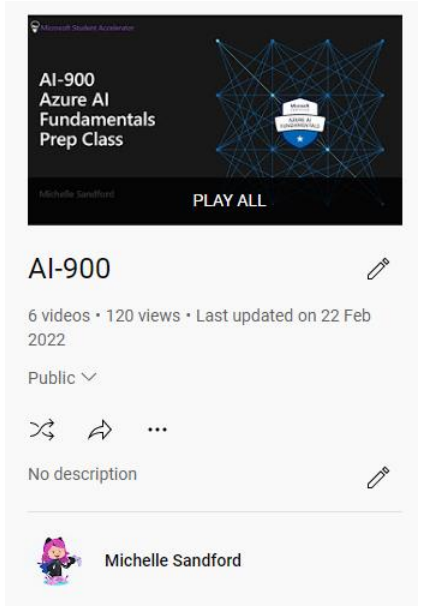
~Jonas Prising, Chairmain & CEO, ManpowerGroup

"When selecting new graduate hires we have a preference for those who have participated in a bootcamp, hackathon or earned a Microsoft Certification. These graduates are typically more productive with a faster ramp time of ~1 month.

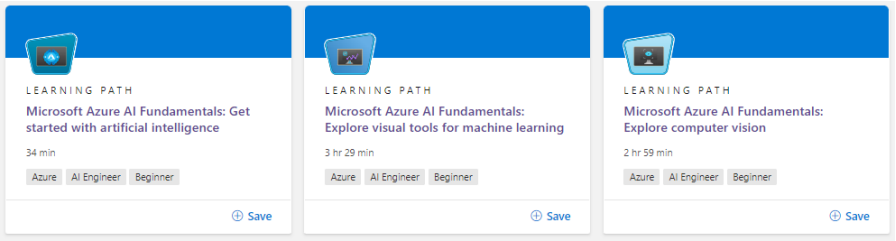
~Isha Prabhakar, University Recruiting Manager, Microsoft

How can you develop these skills – starting today?

Exam Prep Series
https://aka.ms/AI900video



Microsoft Learn (Self-paced)
https://aka.ms/UWADI-AI900



Microsoft Student Accelerator (Self-paced)
https://aka.ms/msa22-rego

Career Workshops — Networking Events — Bootcamps — Hackathons — Micro-Creds

SECTION 2

What the Participants are Saying

Michelle Sandford
Developer Engagement Lead @ Microsoft

DAVID SMITH
University of Western Australia
Masters of Data Science Student

BENALDY MERDI
Curtin University
BSc Financial Mathematics Student

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https://aka.ms/StudentChat

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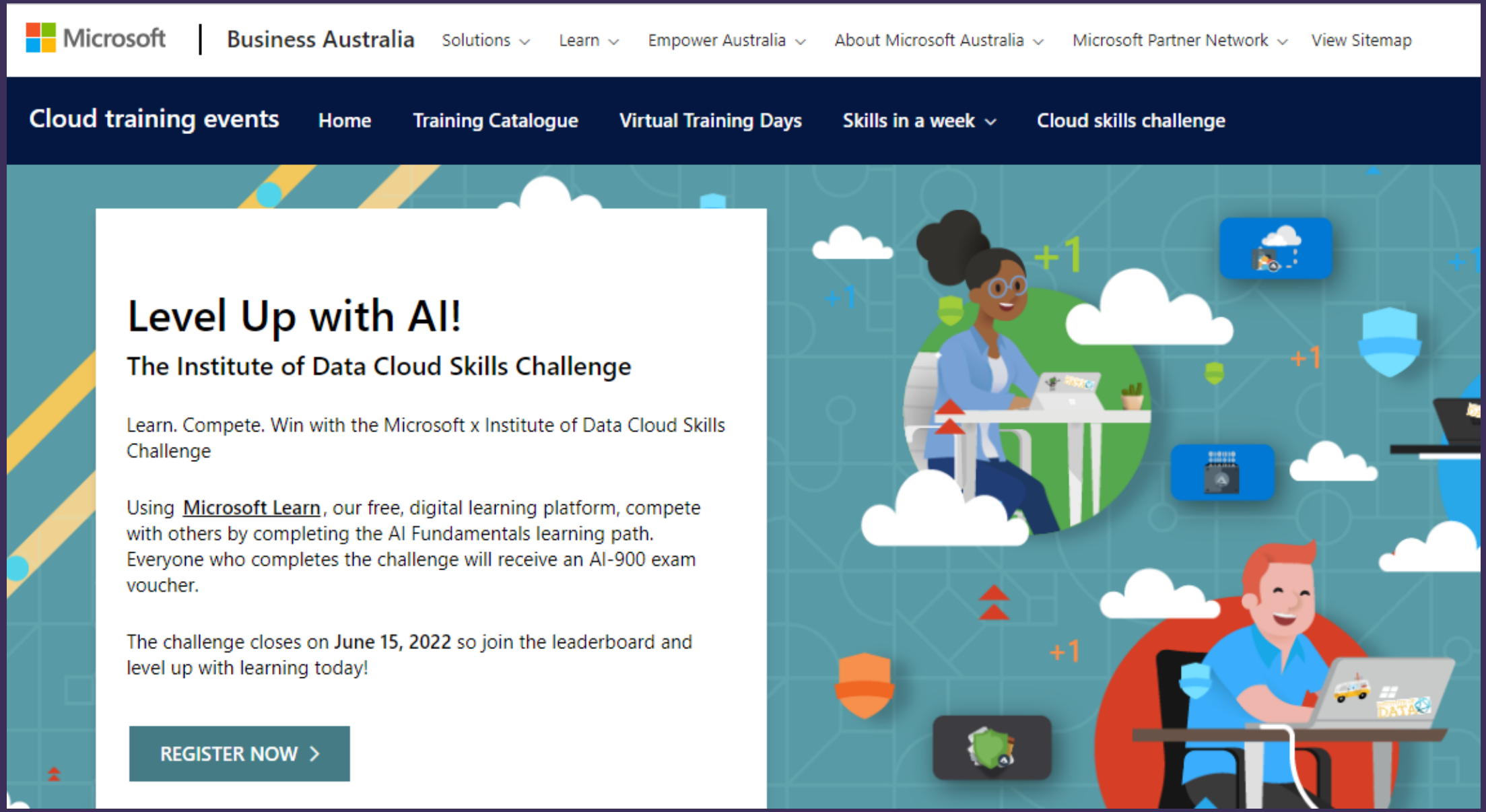

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https://aka.ms/UWADI

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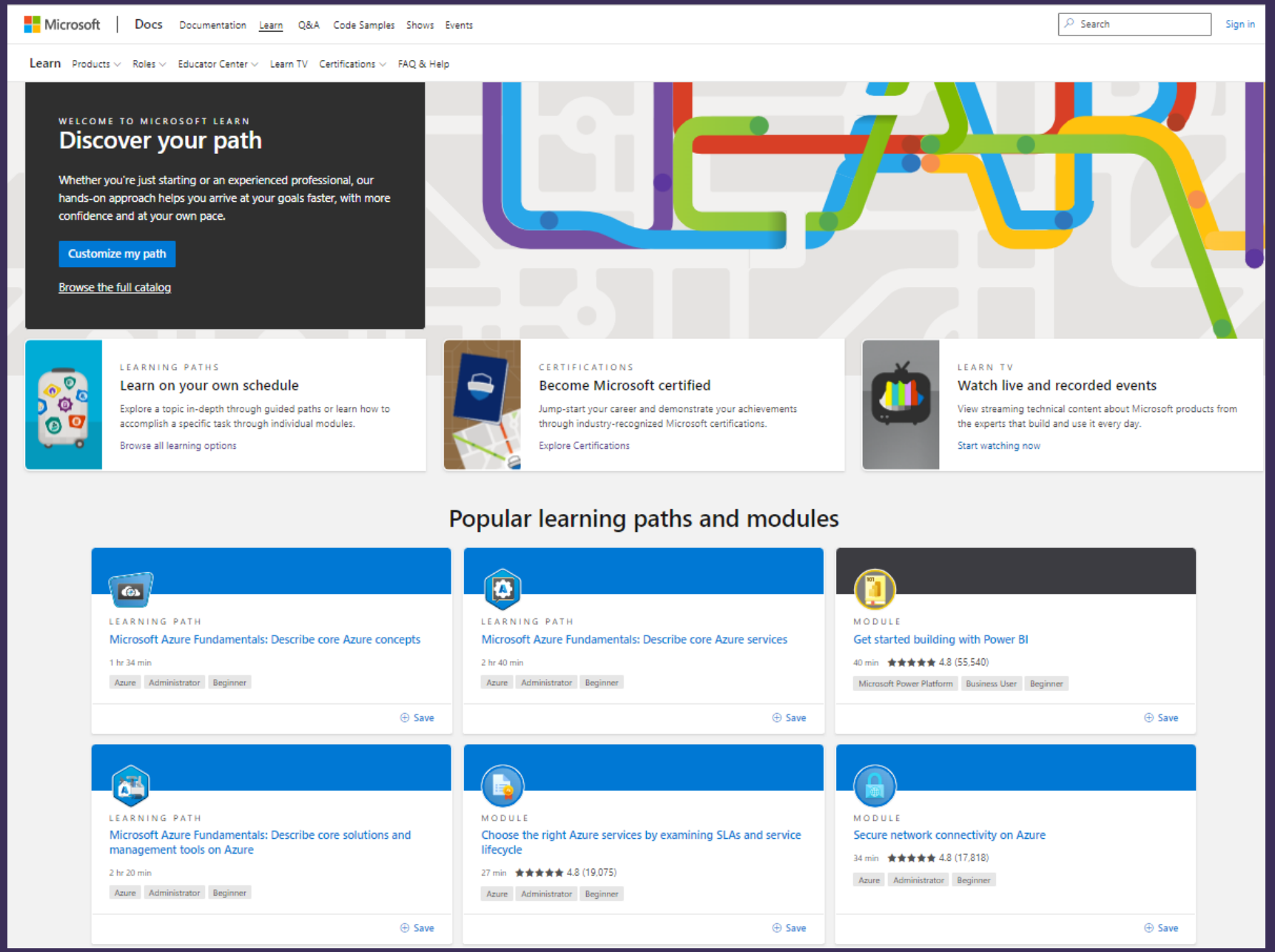

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https://aka.ms/MSLearnID

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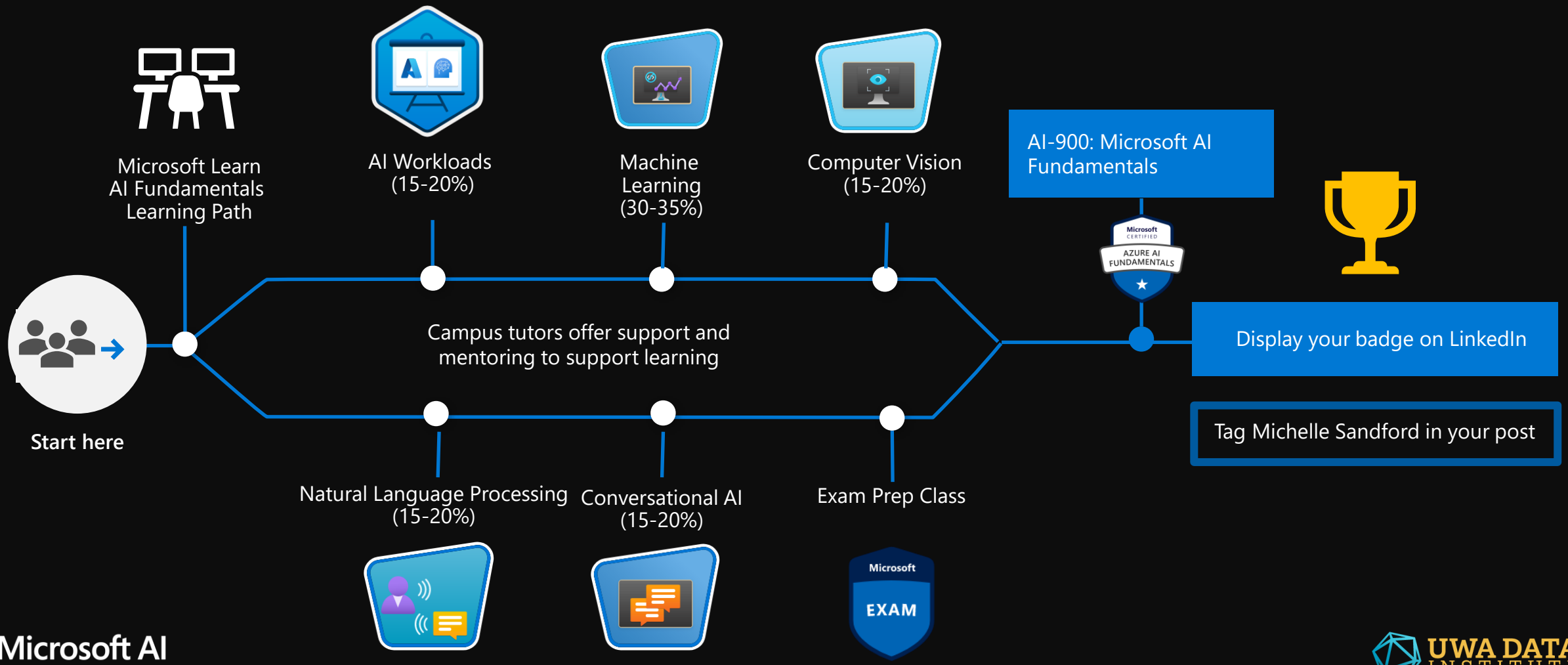
AI Azure Fundamentals: Student Journey

Learn the content | Certification & Celebration



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Institute of Data: AI Fundamentals Challenge

9 hr 44 min • 16 Modules • Created by Microsoft

Share

See the challenge

Items in this collection

MODULE
Get started with AI on Azure
34 min
★★★★★ 4.8 (34,974)

MODULE
Use automated machine learning in Azure Machine Learning
45 min
★★★★★ 4.7 (9,965)

MODULE
Create a Regression Model with Azure Machine Learning designer
55 min
★★★★★ 4.7 (7,148)

MODULE
Create a classification model with Azure Machine Learning designer
1 hr
★★★★★ 4.7 (5,795)

MODULE
Create a Clustering Model with Azure Machine Learning designer
49 min
★★★★★ 4.7 (7,916)

MODULE
Create a Clustering Model with Azure Machine Learning designer
49 min
★★★★★ 4.7 (7,916)

MODULE
Analyze images with the Computer Vision service
28 min
★★★★★ 4.7 (4,893)

MODULE
Classify images with the Custom Vision service
37 min
★★★★★ 4.7 (4,211)

MODULE
Detect objects in images with the Custom Vision service
42 min
★★★★★ 4.7 (3,846)

MODULE
Detect and analyze faces with the Face service
24 min
★★★★★ 4.7 (3,791)

MODULE
Read text with the Computer Vision service
24 min
★★★★★ 4.7 (3,497)

MODULE
Analyze receipts with the Form Recognizer service
24 min
★★★★★ 4.7 (4,767)

MODULE
Analyze text with the Language service
36 min
★★★★★ 4.8 (3,836)

MODULE
Recognize and synthesize speech
29 min
★★★★★ 4.8 (3,443)

MODULE
Translate text and speech
29 min
★★★★★ 4.7 (3,181)

MODULE
Create a language model with Conversational Language Understanding
39 min
★★★★★ 4.8 (4,266)

MODULE
Build a bot with the Language Service and Azure Bot Service
29 min
★★★★★ 4.7 (7,764)

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https://aka.ms/UWADI

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1100 XP

Get started with AI on Azure

34 min • Module • 10 Units

★★★★★ 4.8 (34,974)

Beginner | AI Engineer | Data Scientist | Student | Bot Service | Cognitive Services | Machine Learning

With AI, we can build solutions that seemed like science fiction a short time ago; enabling incredible advances in health care, financial management, environmental protection, and other areas to make a better world for everyone.

Learning objectives

In this module, you'll learn about the kinds of solution AI can make possible and considerations for responsible AI practices.

Start > ⊕ Save

Prerequisites

None

This module is part of these learning paths

Microsoft Azure AI Fundamentals: Get started with artificial intelligence

- Introduction to AI — 3 min
- Understand machine learning — 3 min
- Understand anomaly detection — 3 min
- Understand computer vision — 3 min
- Understand natural language processing — 3 min
- Understand conversational AI — 3 min
- Challenges and risks with AI — 3 min
- Understand responsible AI — 10 min
- Knowledge check — 2 min
- Summary — 1 min

Introduction to AI

100 XP

3 minutes

AI enables us to build amazing software that can improve health care, enable people to overcome physical disadvantages, empower smart infrastructure, create incredible entertainment experiences, and even save the planet!

Watch the following video to see some ways that AI can be used.

What is AI?

Simply put, AI is the creation of software that imitates human behaviors and capabilities. Key elements include:

- **Machine learning** - This is often the foundation for an AI system, and is the way we "teach" a computer model to make prediction and draw conclusions from data.
- **Anomaly detection** - The capability to automatically detect errors or unusual activity in a system.
- **Computer vision** - The capability of software to interpret the world visually through cameras, video, and images.
- **Natural language processing** - The capability for a computer to interpret written or spoken language, and respond in kind.
- **Conversational AI** - The capability of a software "agent" to participate in a conversation.

Next unit: Understand machine learning

Continue >

Knowledge check

200 XP

2 minutes

1. You want to create a model to predict sales of ice cream based on historic data that includes daily ice cream sales totals and weather measurements. Which Azure service should you use?

- ○ Azure Machine Learning
- ○ QnA Maker
- ○ Text Analytics

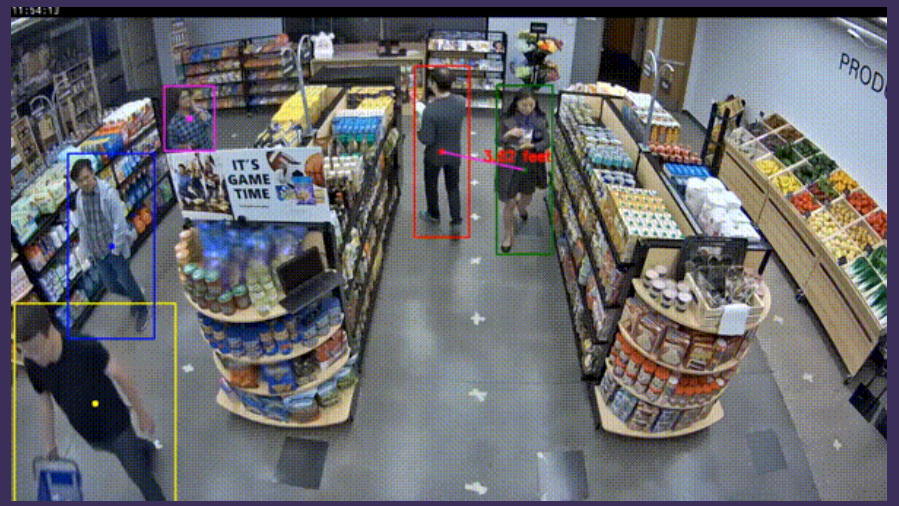
2. You want to train a model that classifies images of dogs and cats based on a collection of your own digital photographs. Which Azure service should you use?

- ○ Azure Bot Service
- ○ Custom Vision
- ○ Computer Vision

3. You are designing an AI application that uses computer vision to detect cracks in car windshields, and warns drivers when a windshield should be repaired or replaced. When tested in good lighting conditions, the application successfully detects 99% of dangerously damaged glass. Which of the following statements should you include in the application's user interface?

- ○ When used in good lighting conditions, this application can be used to identify potentially dangerous cracks and defects in windshields. If you suspect your windshield is damaged, even if the application does not detect any defects, you should have it inspected by a professional.
- ○ This application detects damage in your windshield. If the application detects a defect, have the windshield replaced or repaired. If no defect is detected, you're good to go!
- ○ This application detects damage in any glass surface, but you must accept responsibility for using it only in appropriate lighting conditions.

Check your answers



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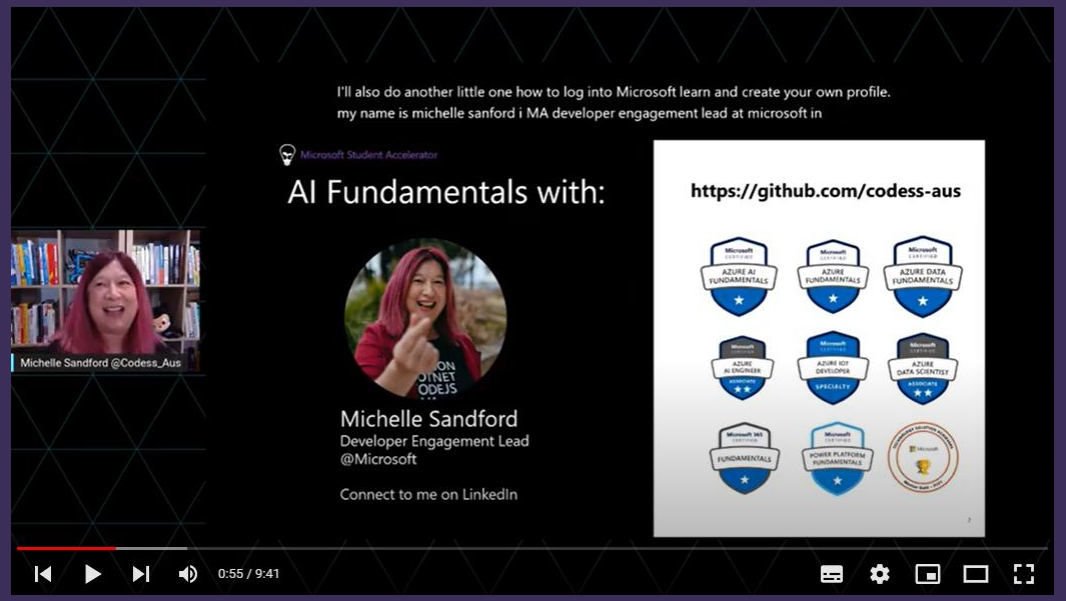

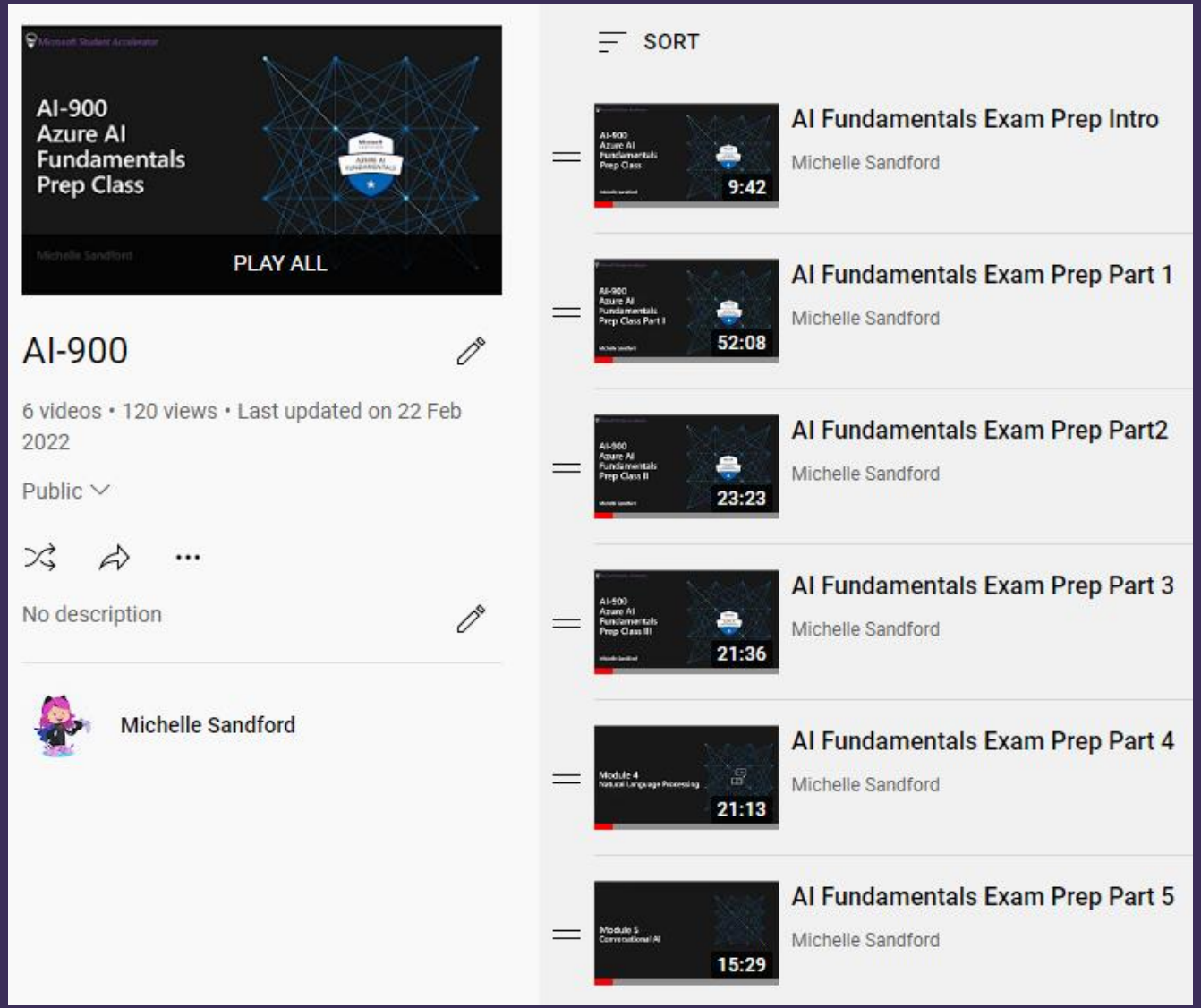

Microsoft AI

https://aka.ms/AI900video

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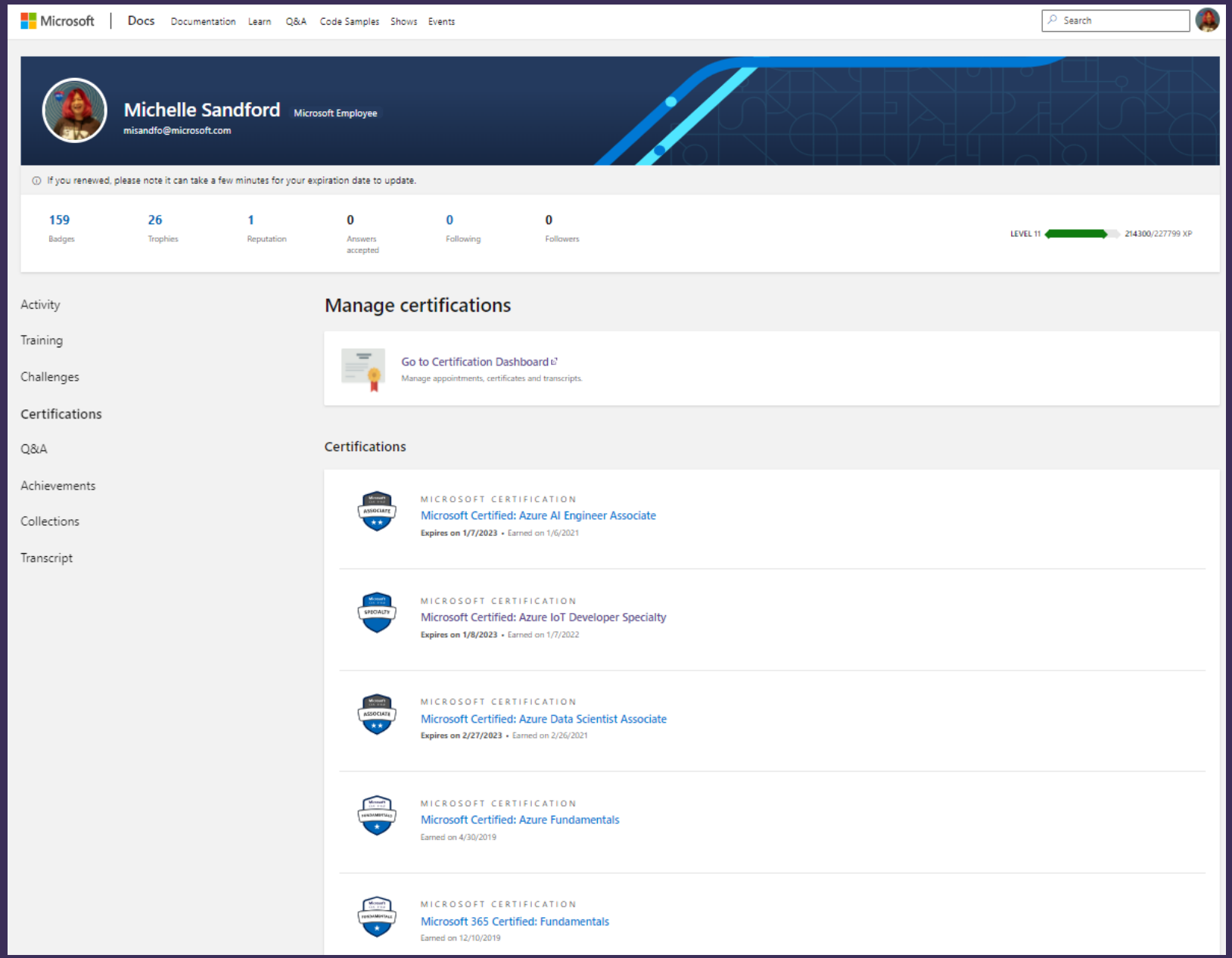
Microsoft Learn Profile



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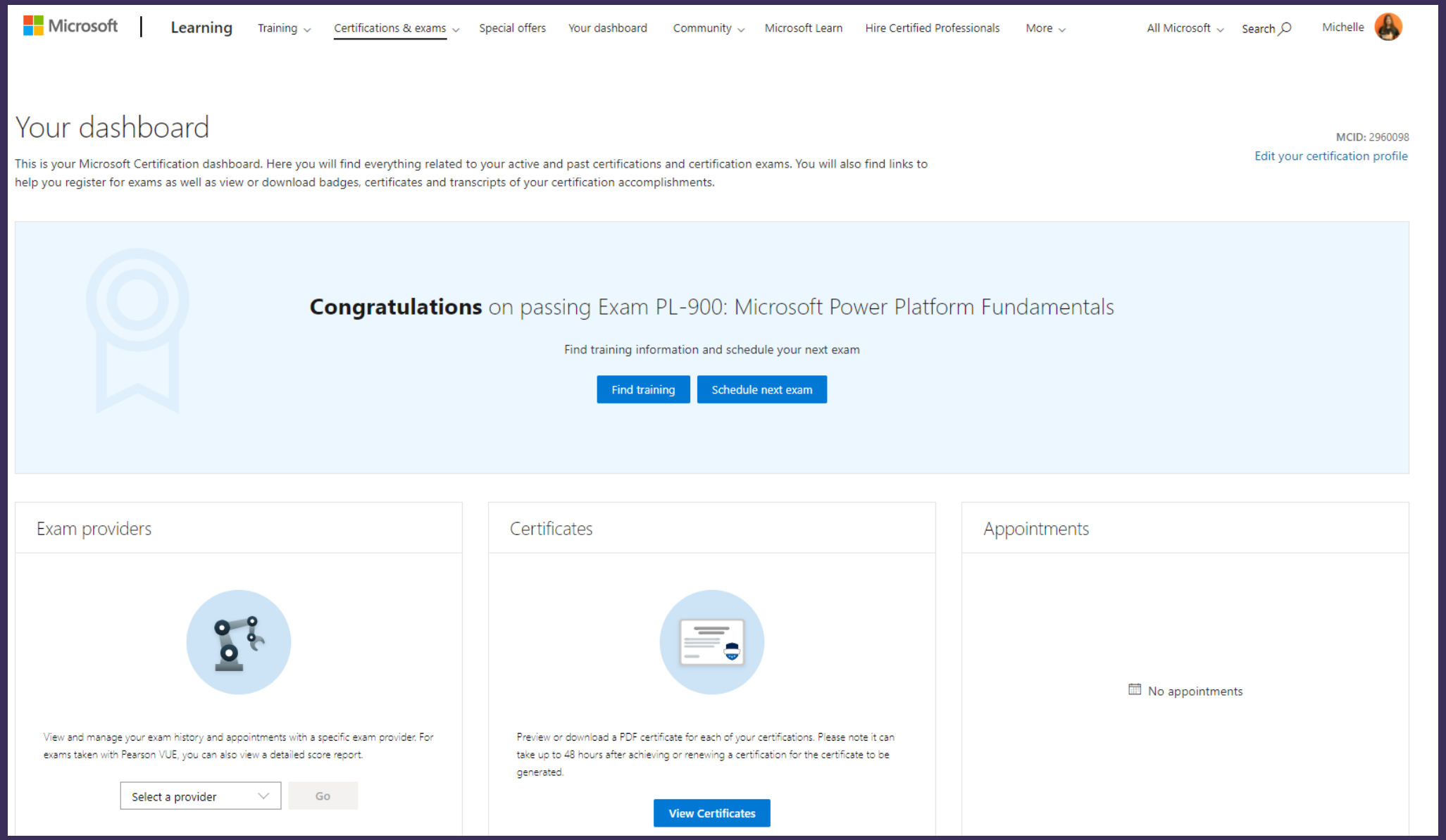
Microsoft Certification Dashboard



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02

A holistic balance of skills is important

Your “human skills” are just as important

Soft-skill intensive occupations are expected to account for two-thirds of all Australian jobs by 2030, compared to half of all jobs in 2000.

~ Deloitte Access Economics

92%

of employers say soft skills matter as much or more than hard skills.

~ LinkedIn

7 Essential Soft Skills

Hays Recruitment

1. Teamwork
2. Problem-solving
3. Communication
4. Adaptability
5. Critical Thinking
6. Time-management
7. Interpersonal

Global Skills Initiative

aka.ms/gsi

Develop the ‘soft’ skills recruiters are looking for.

As well as aptitude and certifications, recruiters look for good team players, clear communicators, critical thinkers and resilient, goal-oriented professionals. This course steps you through these and more essential soft skills in the workplace.

Start here >

Be explicit with your technical skills

> *Be specific with your skills. For example, if you're a social media expert, be sure to also list the various social media sites you have expertise in. Don't assume the hiring manager will know every technology you've used.*
>
> *~ Angela Copeland, Career Advice Expert*

> *In most jobs that require extensive domain knowledge, the hard skills become extremely specific. You should aim to give the highest level of detail possible, to show that you appreciate how granular the field is.*
>
> *~ Caitlin Mazur, Zippia The Career Expert*

From This	To This
Cloud Computing	Microsoft Azure
Machine Learning	Microsoft Azure Machine Learning
Data Visualization	Microsoft Power BI
ERP	Microsoft Dynamics ERP
CRM	Microsoft Dynamics CRM
Curious	Requirements gathering

This is IT

6

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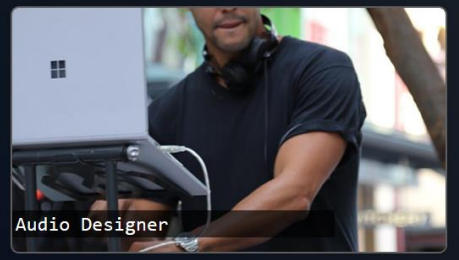

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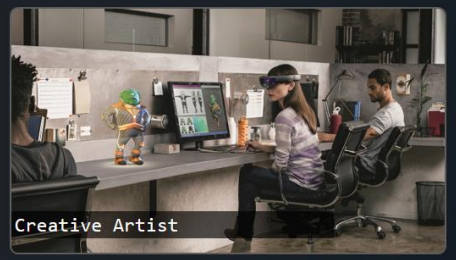

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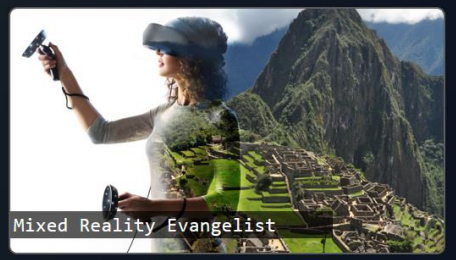

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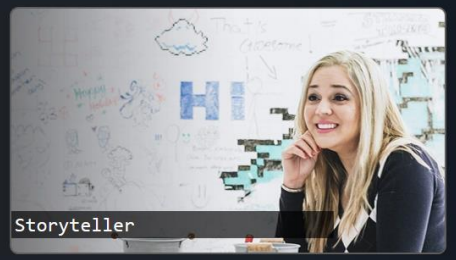

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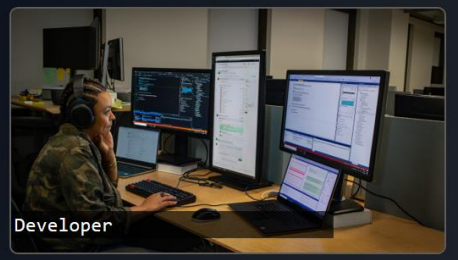

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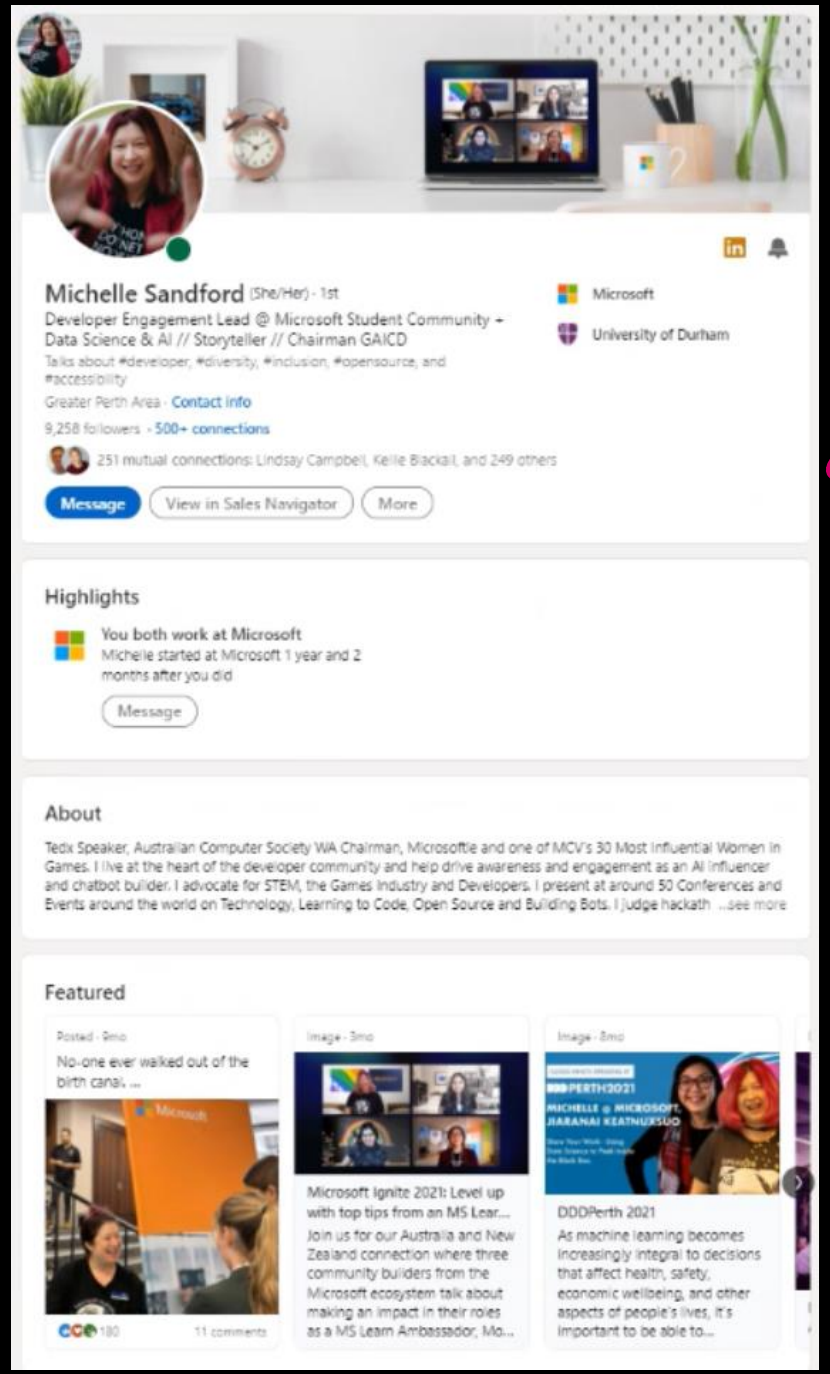
Visual Credibility

Personal Tagline

Be active = Be known

Visual storytelling



Who can help you?

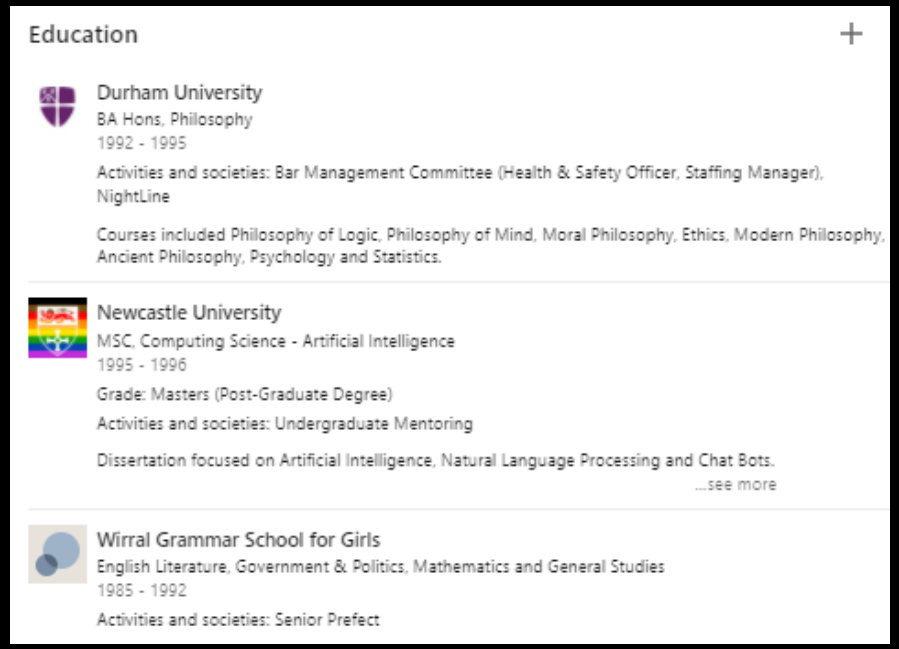
Elevator pitch

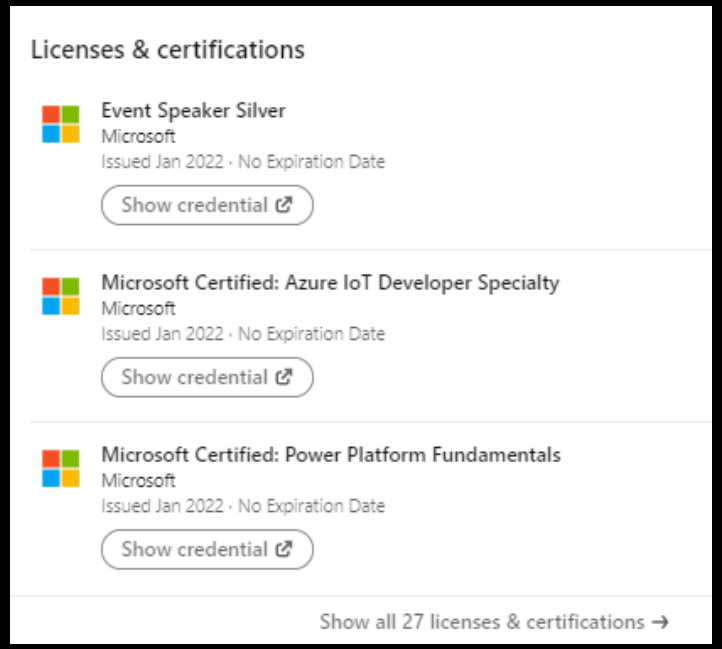
@codess_aus

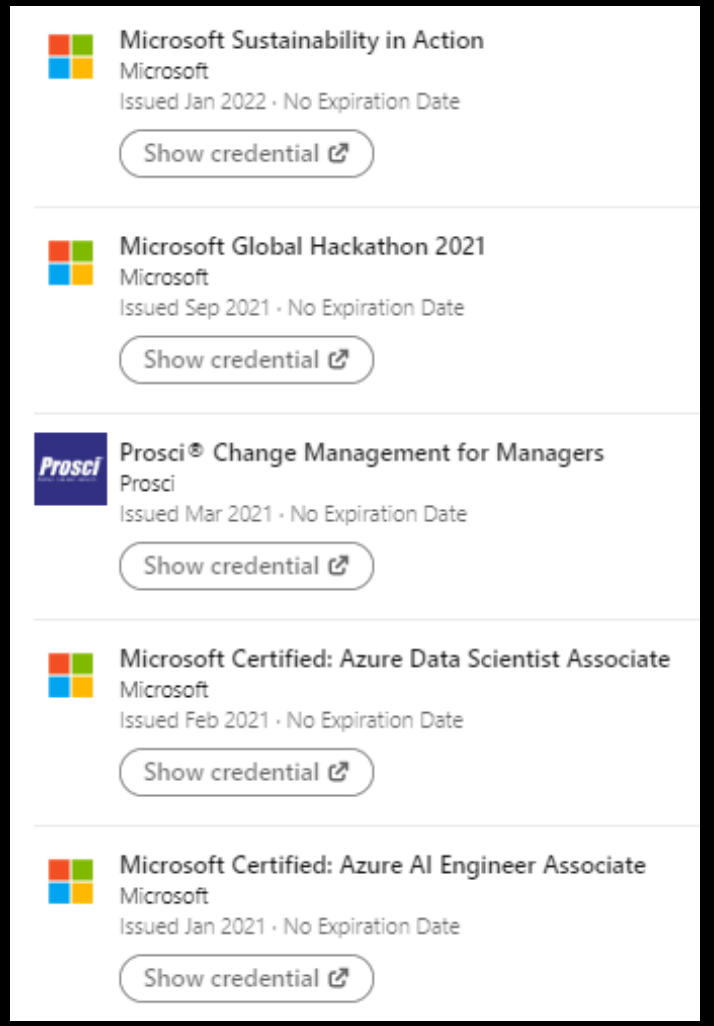
https://aka.ms/wellconnected

Continuous Learning Mindset

@codess_aus





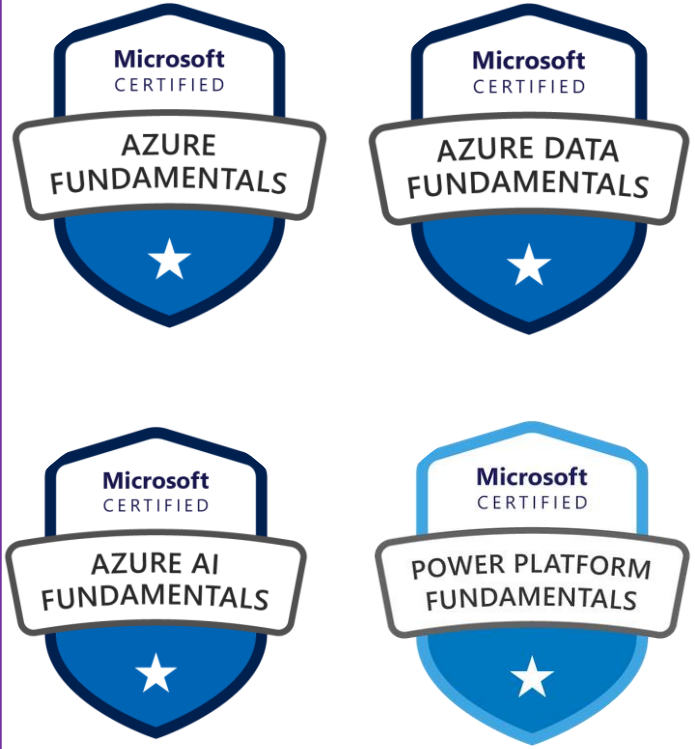


And what else…?

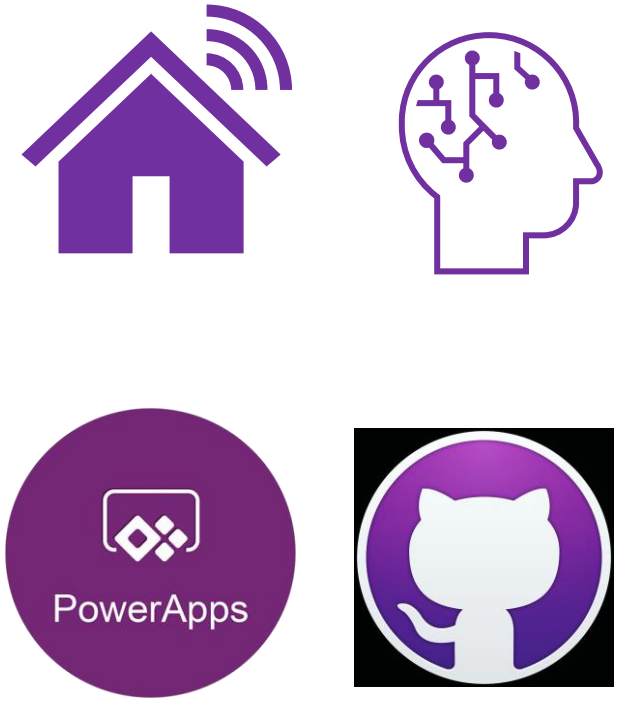
https://aka.ms/wellconnected

Join us - Microsoft Student Accelerator

Certify



Build



Connect

Register https://aka.ms/MSA22-rego

Pattern Matching Skills

@codess_aus

Responsibilities

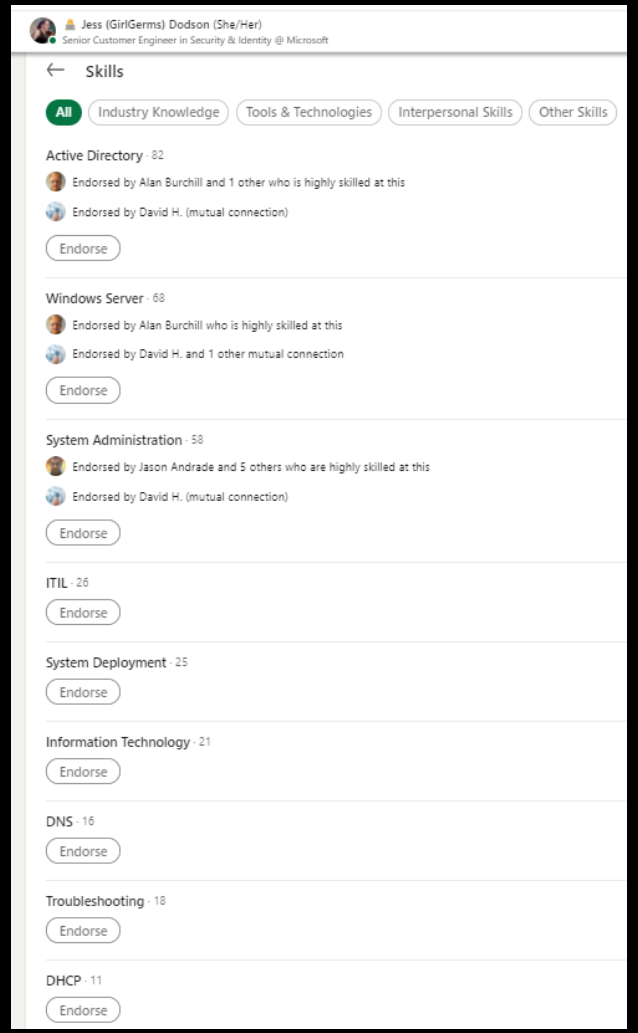
Your Responsibilities
- Responsible for the customer support experience with Microsoft
- Own, troubleshoot and solve customer technical issues, using collaboration, troubleshooting best practices and transparency within and across teams (e.g. swarming)
- Identify cases that require escalation (either technically or strategically)
- Create and maintain incident management requests to product group or engineering group
- Contribute to case deflection initiatives, automation and other digital self-help assets to improve customer and engineer experience
- Provide ramp activities, knowledge sharing, technical coaching and mentoring
- Drive technical collaboration and engagement outside of CSS (Product Engineering teams, Services, Support, Regions)
- Lead or participate in building communities with peer delivery roles; may be workload or specialty specific

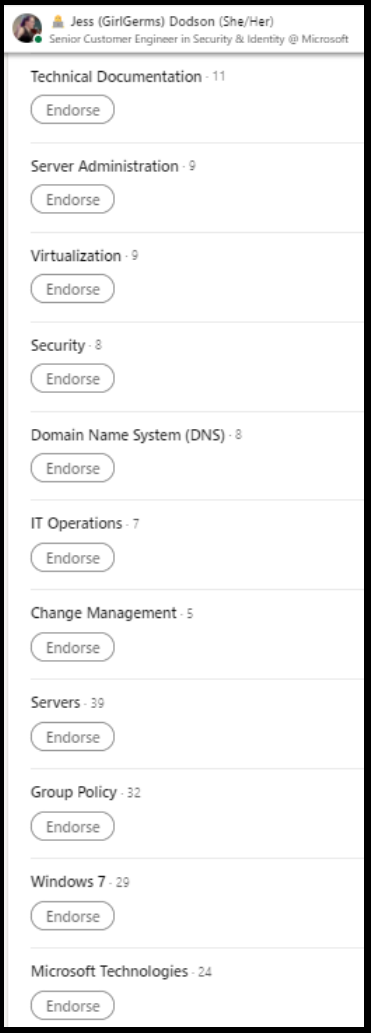
Qualifications

Language Qualification
Mandarin Language: fluent in reading, writing and speaking. English Language: confident in reading, writing and speaking.

Required
- 2+ years prior product, technical support customer facing experience.
- Technical experience and knowledge working in Azure technical support or equivalent technology.
- Technical skills and hands on experience in 2 or more of the following areas: Active Directory, ADFS, SSO configuration, Azure Identity protection, Identity Management, O365 Identity, Azure MFA.
- Experience supporting large and complex geographically distributed enterprise environments with 1000+ users

Experience in one or more of these areas desirable
- Windows System Administration, Certificates, PKI, DNS, Networking, Virtualization, PowerShell scripting.
- OS Internals concepts, load balancing, geo-redundancy, CDN and VPN technologies.





What does the Job description ask for?
Do the Skills on your LinkedIn match?

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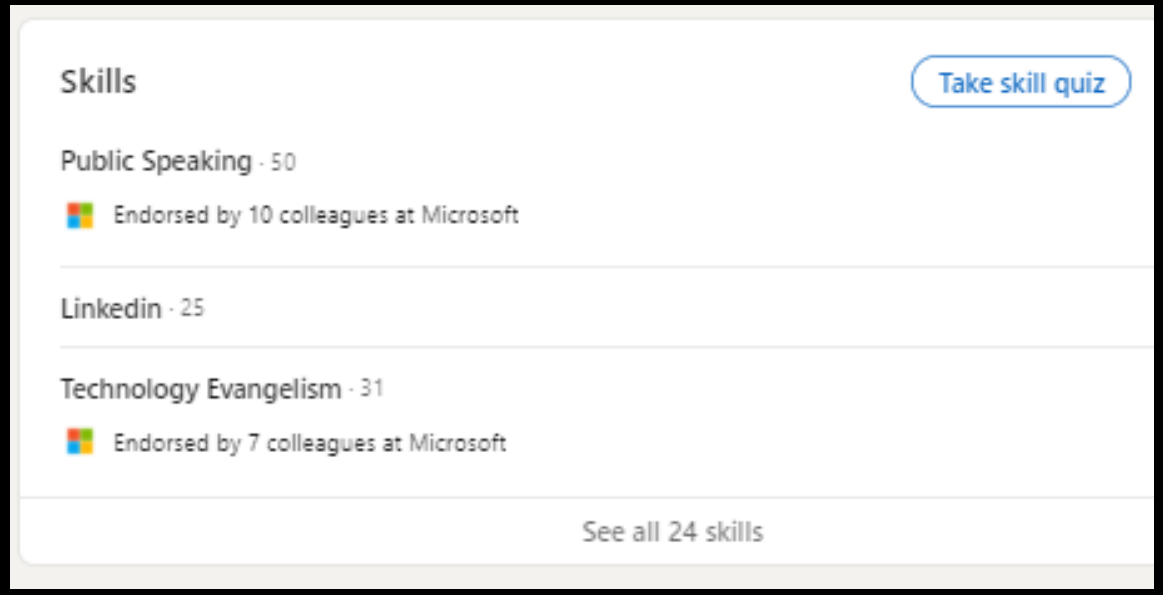
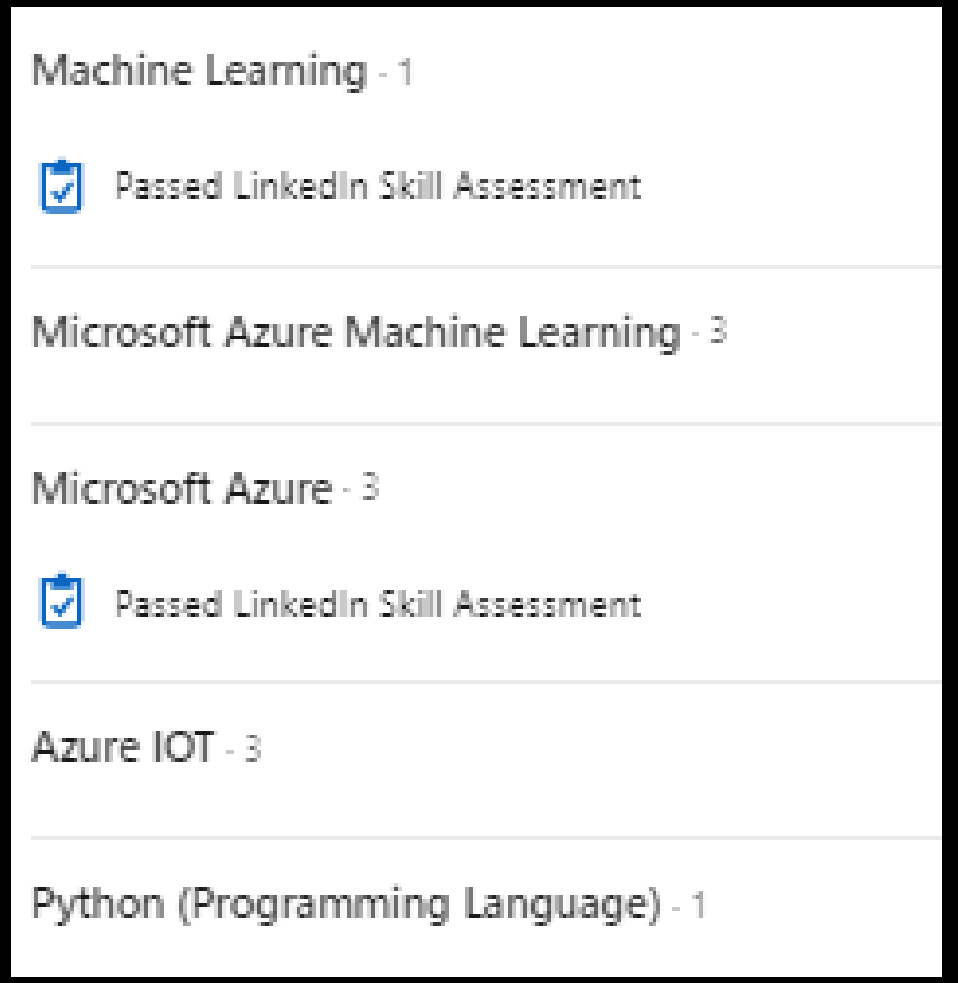
Make it easy on hiring managers

@codess_aus





Do your skills match what they are asking for?

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What next

Learn

Continually invest in you

- Microsoft Learn
- Microsoft Virtual Training Days
- Microsoft Student Accelerator
- Bootcamps
- Hackathons
- Challenges

Certify

Prove your capability

- Microsoft Certifications
- Industry Certifications
- University Micro Credentials

Promote

Amplify your skills

- LinkedIn Skills Section
- LinkedIn Certifications Section
- LinkedIn Education Section

Resources

1	Create a Microsoft Learn Account	https://aka.ms/MSLearnID
2	Join the UWA Data Institute Upskilling Pathway and complete learning path	https://aka.ms/UWADI
3	Watch AI Fundamentals Exam Prep Class Playlist	https://aka.ms/AI900video
4	Ask for Exam Voucher	https://aka.ms/UWADI-AI900
5	Share Exam Success on LinkedIn and Tag Michelle and the UWA Data Institute	https://aka.ms/wellconnected
6	Microsoft Student Accelerator (Join to Certify, Build and Connect with us)	https://aka.ms/MSA22-Rego
7	Make a video with Michelle	https://aka.ms/StudentChat

Michelle Sandford

Developer Engagement Lead

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