



Future of Computer Science and Digital Profession

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Agenda

Computer Science Education
Digital Profession
Connected Lifelong Learning
Opportunities and Next Steps



Computer Science Education

What are the key trends and areas of focus in computer science education?



Areas of focus





Interaction Design

AI-augmented reality
The metaverse
3D design



Software

AI-augmented software development paradigms
AI-enabled software systems
Sustainable software development





Data

- AI-augmented data management
- Semantic data fabric
- Data governance





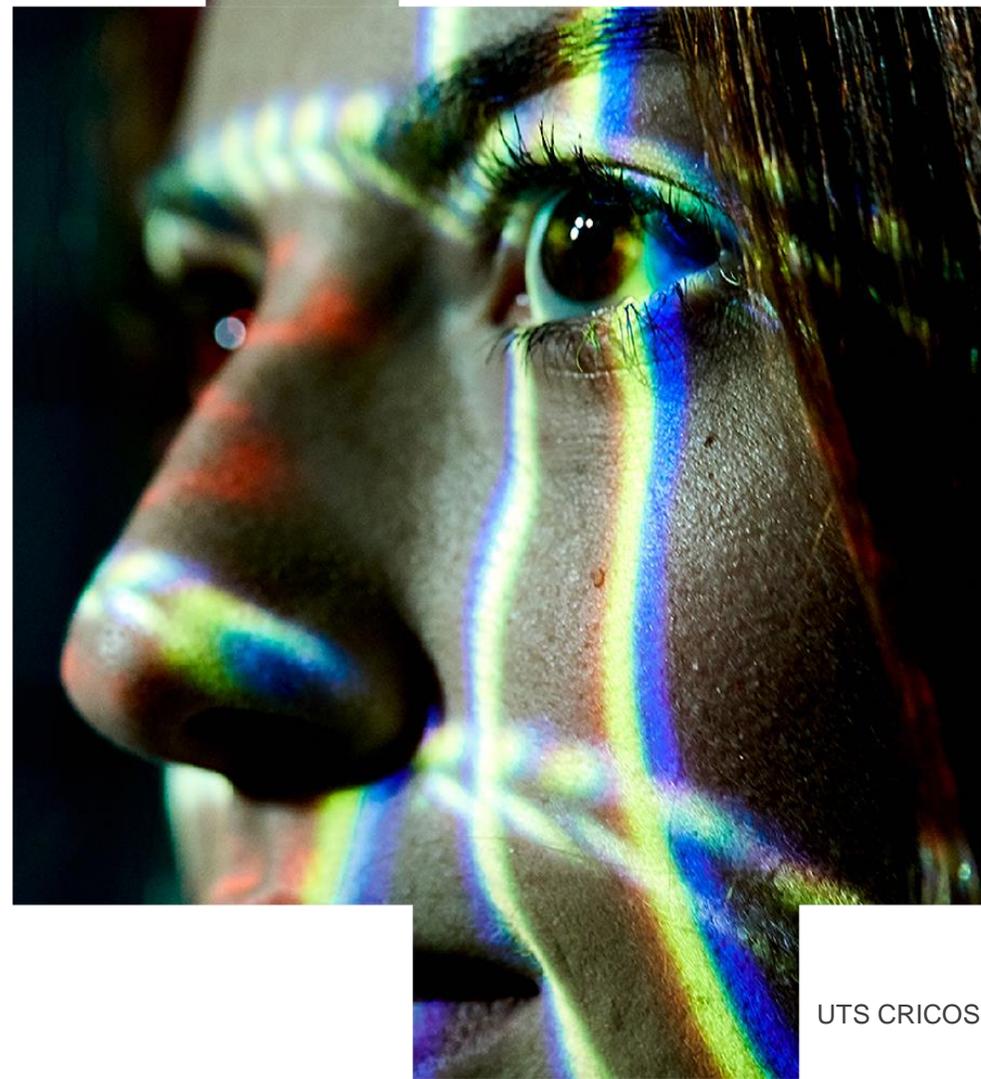
Cyber

AI-augmented cyber security
Application security
Data security



Analytics & AI

Automated analytics
Generated AI
Responsible & safe AI





Theoretical Computer Science

Advanced algorithms
Quantum computing methods
Quantum software and programming



Digital Profession

What are the key skills and roles for new starters or early career people?



Career

AI engineering

Automated testing and DevSecOps

Business analysis

Data analytics and visualisation

Data architecture

Data engineering

Security engineering

UX design

Web and mobile app development



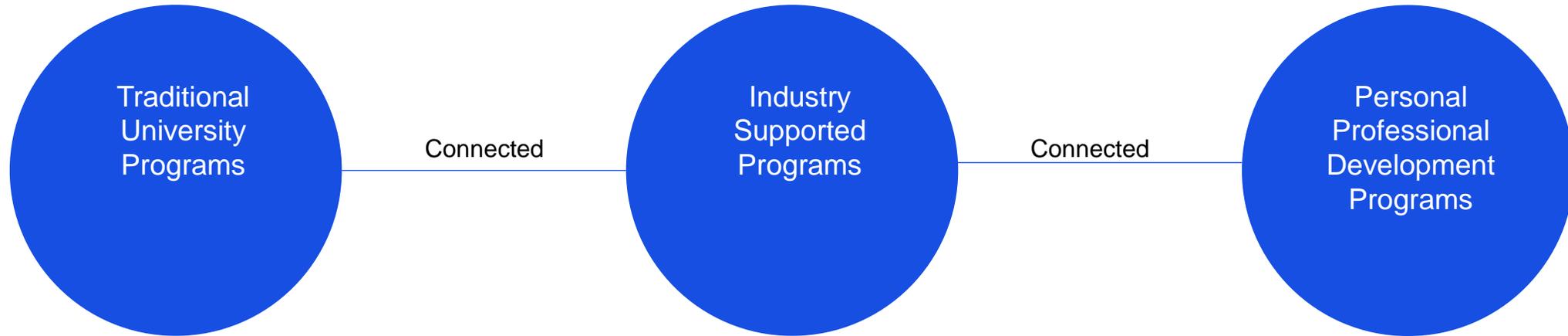
Working together

Connected Lifelong Learning

How to enable connected lifelong learning?



Connected Lifelong Learning



University Focus

- ✓ Pathways
- ✓ Undergraduate
- ✓ Postgraduate

Industry Connected

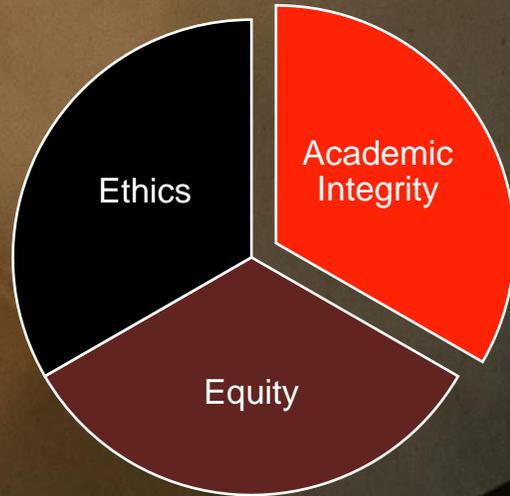
- ✓ Industry Sponsored
- ✓ Industry Micro-credentials
- ✓ Work-integrated Learning

Learner Focus

- ✓ Coaching
- ✓ Short Courses
- ✓ Masterclasses

Opportunities and Next Steps

- ✓ AI-Assisted Learning
- ✓ AI-Assisted Teaching
- ✓ AI-Assisted Assessment



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Thank You !

