How Full Sail University is Creating New Pathways to Learning using VR and AR

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Dr. Maamar has a long career in technology and academia. In her current role as Education Director of Emerging Technologies, Haifa oversees all of the university’s technology and gaming degrees.

Haifa earned her PhD in Computer and Electrical Engineering from the University of Ottawa with a focus on mobile networks and mixed reality.
XR Education

Full Sail's Approach to Enhanced Learning
Immersive learning using XR

- Community
- Motivation
- Concentration
Rumii – Collaborative VR Platform

• VR conferencing software
• VR classroom
• Explanation using 3D models
Education Reimagined

• Kinesthetic Learning
  • Program Launchbox
  • Appropriate software for each degree

• In-House VR tools

• A collaborative VR Platform
Current Tools

- Developed at Full Sail University
- Accessible from the LMS
- AR and VR tools
- Teach complex topics
  - 3D Math
  - Projectile Motion
  - Buoyancy
  - Field strength
  - Math Calculator Embed
Current Tools - AR Buoyancy

- Submission Rates
- Pass Rates
- Engagement
- Student experience
Current Tools – Math Calculator Embed

- Embedded in the LMS
- Exploration and enrichment
- Pass Rates:
  - From 60% to 85% (online)
  - From 82% to 93.4% (campus)
Current Assets – 3D Math
IronDev – Data Visualization
HP Grants Support Program

100% Free Service
- Identify funding sources for your unique projects
- Provide resources and consulting services
- Review proposals

Example projects include
- Immersive learning solutions, VR/AR
- Data science labs & remote computing
- Medical, Engineering, Arch - 3D Printers

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Thank you!