Mark Jordan

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Summary

STEM educator and curriculum designer building immersive, interactive learning experiences. 24 years teaching engineering, robotics, and cybersecurity; now designing VR/AR-aligned curricula at ASU's Dreamscape Learn. Focused on backward design, UDL/PBL, authentic assessment, and narrative engagement.

Experience

Curriculum Designer — ASU Dreamscape Learn

• Design immersive VR/AR-informed courseware and labs with cross-functional teams (writers, VR devs, SMEs).
• Align outcomes to interactive lessons, authentic assessments, rubrics, and instructor-ready resources.

STEM Teacher — Arizona Public Schools

• 24 years teaching Engineering, Robotics, Cyber Security, and Aerospace; PLTW certified.
• Created and led community-scale programs: Space Night (500+ attendees), competition teams, SkillsUSA, Maker's Club.

Master Carpenter & Host — HGTV "Over Your Head"

On-camera design/build; mentored homeowners; produced engaging, narrative-forward learning moments.

Vice President — Gilbert Education Association

Led contract negotiations, policy development, and professional development initiatives.

Technical Director — The Torch Theatre / Phoenix Improv Festival

Overseen technical production for live performance; created Level 1 improvisation training curriculum.

Director — Phoenix Neutrino Project

Directed live "kamikaze filmmaking" project uniting 40+ performers in time-boxed collaborative storytelling.

Selected Projects & Recognition

• Project Zephyr — Stratospheric balloon mission: payload design, live telemetry, recovery, data analysis.
• Space Night — Experiential STEM event: interactive science experiences tied to outcomes.
• Silver Apple Award — Recognized for STEM teaching and mentorship (Arizona's Family / AZ Bank & Trust).
• HGTV: Over Your Head — Master Carpenter & Host (3 seasons).

Skills

• Curriculum & Instruction: Backward design, UDL, PBL, authentic assessment, instructor enablement
• Immersive & Interactive: VR/AR-aligned design, simulation, cinematic/narrative storytelling
• Technical: HTML/JS, 3D modeling, CNC/CAM prototyping, LMS, rapid authoring (Rise/Storyline)
• Collaboration & Delivery: Cross-functional teamwork, agile iteration, quality standards, templates/rubrics

Education

• M.S., Instructional Design & Technology — Emphasis in Online Learning, Walden University
• Graduate Coursework — Arts, Media and Engineering (AR/VR Design), ASU — School of Arts, Media and Engineering (GAME)
• Graduate Coursework — Professional Studies (Engineering Education), Rochester Institute of Technology (RIT)
• B.F.A., Secondary Education (Technical Theatre Emphasis), Arizona State University

Certifications
- Project Lead The Way Instructor — IED, POE, AE, EDD, Cybersecurity
- Arizona Secondary Education Certified; ESL Endorsement (PreK–12)
- High Power Rocketry Level 1 Certified (NAR)

Portfolio
Project Zephyr — markajordan.com/projects/zephyr • Space Night — markajordan.com/projects/space-night • Silver Apple Award — markajordan.com/projects/silver-apple-award