

Jonathan Tyrrell

AI & Learning Innovation Executive

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EXECUTIVE PROFILE

Education executive and AI product builder with 20+ years in education. Led a founding school to the top 1% nationally on NWEA MAP and helped take Kairos Academies to the top 1% of U.S. schools for student sense of belonging, while building the software that runs placement, intervention, counseling and compliance. Designs AI-enabled systems that turn student needs into targeted action and give time back to teachers, counselors and leaders.

CORE EXPERTISE

AI and learning innovation | Education product strategy | Personalized and adaptive learning | Curriculum and assessment architecture | Product discovery and prototyping | Workflow automation | Learning analytics | MTSS and intervention | Special education and FERPA | AI governance and human review | Change management | School-system transformation

SELECTED PRODUCT PORTFOLIO

- **Adaptive learning and assessment.** Problem: students arrive years behind and get generic remediation. Solution: pinpoints the exact missing skill, aligns practice to grade-level standards, supports placement and forecasts proficiency while there is still time to intervene.
- **Student support systems.** Problem: struggling students slip through the cracks when plans live in inboxes and spreadsheets. Solution: one view of Tier 2 and 3 plans, special education services, compliance timelines and escalations.
- **School operating systems.** Problem: enrollment, audit and performance data are scattered, so leaders react late. Solution: brings enrollment, audit evidence and performance monitoring together so leaders act before problems surface.

PROFESSIONAL EXPERIENCE

Chief Schools Officer

2024 – Present

Kairos Academies | St. Louis, MO | Grades 5–12 public charter school

- Led academics, culture, student support, counseling and academic compliance through a team of directors and the campus principal.
- Delivered the strongest reading and math growth in the organization's history; Kairos ranks in the top 1% of U.S. schools for student sense of belonging (Panorama).
- Co-designed the TFC Initiative on teacher compensation.
- Designed, built and deployed 9+ web applications for adaptive placement, literacy and numeracy intervention, counseling, compliance, enrollment and school performance.
- Architected the standards data layer for an adaptive intervention platform: 1,364 verbatim K–12 ELA and math standards, 394 priority standards flagged, and a schema ready for alternate-assessment Essential Elements.
- Own the product lifecycle from discovery with teachers, counselors and leaders through data modeling, interface design, rollout and iteration, applying FERPA, special education and human-review requirements.

Founding Principal

2019 – 2024

Compass Rose Public Schools | San Antonio, TX

- Founded and led a new school as functional CEO through the COVID-19 pandemic, building its instructional model, operating systems, staffing, culture and performance routines from the ground up.
- Achieved top 1% national results on NWEA MAP and retained 100% of school leaders while managing 20+ staff across operations, instruction, culture and finance.

Principal and Assistant Principal

2015 – 2019

IDEA Public Schools | San Antonio, TX

- Earned top 8% state recognition from the Texas Education Agency and 100% of available academic distinctions three consecutive years.
- Managed ~\$750,000 in operating budgets, cutting costs 10% while sustaining outcomes.

Teacher, Grade Team Leader and Department Head

2012 – 2015

IDEA Donna College Prep | Donna, TX

- Taught 11th- and 12th-grade IB History (Higher Level) and led departmental instructional planning.
- Led 100% of students, including students receiving special education services, to pass the 11th-grade U.S. History TAKS.

Earlier teaching and school roles available upon request.

MILITARY SERVICE

Command Staff Officer

U.S. Army Reserve | USASOC and Military Intelligence Readiness Command

- Advise commanders and train personnel in special operations and military intelligence environments on ethical decision-making, organizational judgment, distributed agency and risk under ambiguity.
- Author of two white papers for Army Futures Command's Mad Scientist Initiative, featured repeatedly in long-range (next 100 years) combat planning, including "Temporal Warfare and the Ethical Imperative for Pre-Doctrinal Moral Frameworks."
- Work is informing the revision of the Army's moral injury curriculum for future warfighters.

TECHNOLOGY AND PRODUCT CAPABILITIES

Application development; React-based interfaces; relational data models and schema design; serverless functions; dashboards; prompt and agent workflow design; Claude and MCP connectors; automation; assessment logic; standards data architecture; human-in-the-loop review.

EDUCATION

MSc, History of International Relations, London School of Economics

Master of Divinity, Liberty University

PG Certificate, Theology and Ministry, Princeton Theological Seminary

BA, Political Science and American Studies, Drew University

AI TRAINING

Anthropic: Claude and Claude Code | OpenAI: AI Fundamentals | Google: Gemini Educator

CREDENTIALS

- Pahara-Aspen Education Fellow, 2026
- National Principal Academy Fellow, Relay GSE
- Certified: Special Education EC-12; Social Studies Composite
- Active TS security clearance
- Airborne qualified

Full list of military awards and honors available upon request.