

EXECUTIVE SUMMARY

I conceive of, design, build and scale education technology-enabled learning initiatives. Over three decades I have built and scaled international ecosystems, strategic partnerships, platforms and institutions involving universities, K-12 schools, ministries of education, foundations, nonprofits and technology organizations around the world generating nearly \$28M in funded initiatives and supporting programs serving tens of thousands of learners and educators worldwide. I lead strategy, partnerships, business development, governance and cross-functional execution aligning institutions, funders, governments and technology providers around shared outcomes. I also lead cross-functional teams across content, engineering, faculty success and research and evaluation to develop education technologies. I translate vision into execution, build international collaborations and steward resources with financial and operational rigor.

CORE COMPETENCIES

Strategic and Operational Planning • Ecosystem Development • Strategic Alliances • Partner Success • Stakeholder Management • Business Development • Consortium Leadership • Community Building • Board / Funder Relations • Operating Models and OKRs • Multi-Year Budgeting and Forecasting • Grant / Contract Management • Risk and Compliance • Higher-Ed Shared Governance • Product and Platform Leadership (Content, Engineering, Evaluation) • Change Leadership • Distributed / Remote Teams • Open Educational Resources • Learning Science-Aligned Courseware • Assessment / Analytics

PROFESSIONAL EXPERIENCE

Massachusetts Institute of Technology (2009–2026)

Senior Associate Director, Projects (2024–2026) • Associate Director, Special Projects (2017–2024) • Associate / Assistant Director, Strategic Education Initiatives (2014–2017) • Senior Educational Technology Consultant / Senior IT Consultant (2009–2014)

Strategy and Operations

- Directed multi-year education innovation portfolios that span content, engineering, faculty enablement and evaluation supporting initiatives totaling almost \$18M in funding serving institutions in across North America, Europe, Latin America, Asia and Africa. Evaluated opportunities for strategic fit, institutional readiness and implementation capacity. Conducted reviews to align priorities, project outcomes and ecosystem growth. Ensured compliance with university and funder policies across international engagements.
- Co-led funding, strategy and implementation of a 4-year, \$2.2M national engagement to establish the Itz'at STEAM Academy in Belize; co-authored the grant; negotiated Ministry of Education agreements; established operating relationships with school and ministry leadership.

- Advised senior leadership on strategy, operations and education technologies on multiple \$100M+ initiatives.

Product, Platforms and Technology

- Led product strategy, roadmap development and institutional adoption for the open-source OpenCourseWare to Go (mobile and offline OpenCourseWare) and the open-source Learner Credential Wallet, designing specifications, coordinated engineering and UX and partner engagement.
- Built local machine transcription / summarization pipelines for 17,000+ raw captured MIT videos, reducing costs by \$400K and accelerating downstream uses.
- Directed overall cross-functional delivery for the \$4.1M Connected Learning Initiative (CLIX), serving 60,000 students, 3,300 teachers and 478 schools across four states in India; co-authored the grant and co-led development of the platform, content player and assessment engine.

Online Courses and Open edX

- Negotiated institutional agreements and supported adoption of MITx courses in four countries (Uruguay, Egypt, Lebanon and India), expanding access to MITx curricula in data science, computer science, physics and biology.
- Coordinated evaluation of Open edX platform and service providers.

Partnerships, Business Development and Management

- Negotiated and managed multi-million-dollar institutional agreements, including licensing agreements generating \$690K in revenue, while advancing long-term institutional adoption and collaboration.
- Led membership strategy, growth and renewals for the Digital Credentials Consortium, renewing nine universities and onboarding one new institutional member while supporting the consortium representing ten universities in North American and Europe.
- Utilized data tracking and reporting to monitor collaboration activities, funding opportunities, renewals, project outcomes and organizational performance.
- Led grant development, budgeting, operations and reporting.

Faculty Success, Learning Science and Assessment

- Co-organized learning-science and online-learning symposia; authored online course design guidelines; supported assessment strategies and instructor enablement across K-12 and higher ed.

Utah State University (2004–2008)

Associate Director, Center for Open and Sustainable Learning; Project Director, OSLO Group

- Co-founded a research center and directed operations, business development, staffing and finances through grants, partnerships and community development.
- Cultivated and expanded an international open education network, developing community and facilitating collaboration among universities, nonprofits and technology providers through the Open Education Conference and OpenCourseWare Consortium.
- Managed development and adoption of open-source software supporting OpenCourseWare initiatives. Collaborated with institutions, community contributors, and technical teams to grow participation and expand impact.

University of California, Berkeley (1995–2004)

Project Director NEEDS and SMETE.ORG; Director Berkeley Instructional Technology Studio; Instructor

- Led business development, operations and technical direction for the NEEDS and SMETE.ORG education digital libraries; convened the SMETE Open Federation a consortium of 30+ organizations across the U.S.
- Launched the Premier Award and managed for the national competition for sixteen years, applying review criteria to showcasing exemplary engineering education courseware.

California State University, Office of the Chancellor (2002–2004)

Director of Alliances, MERLOT

- Established strategic alliances with higher education institutions worldwide, advancing federated search and interoperability across educational digital libraries.

SELECTED FUNDING AND REVENUE

- STEAM Lab School (Itz'at STEAM Academy, Belize): Senior Personnel / Co-Lead Author — \$2,272,000 (contract).
- CLIX (India): Senior Personnel / Co-Lead Author — \$4,123,446 (grant / gift).
- CoLAB (Uruguay): Senior Personnel/Lead Author — \$1,177,566 (contract).
- Open Learning Scholars (OLS, Egypt and Lebanon): Senior Personnel / Lead Author — \$1,575,000 (gift).
- Digital Credentials Consortium (DCC)—Beyond the Wallet: Senior Personnel / Co-Lead Author — \$725,000 (grant).
- MITx Licensing / Collaborations: \$690,000 in sales.
- DCC Membership (North America and Europe): \$200,000 member fees (10 universities).

SELECTED GOVERNANCE, ADVISORY AND STANDARDS

- Boards / Advisory: OER Research Hub; OpenCourseWare Consortium (Founding Board); Open High School of Utah (Founding Board); National Science Digital Library committees
- Organizer / chair for conferences and symposia.
- Standards: IEEE Learning Metadata Terms 2881:2025; IEEE Learning Object Metadata 1484.12.1 and 1484.12.3; W3C Verifiable Credentials for Education task force member and co-author of the Learner Credential Wallet specification.

EDUCATION

M.S., Mechanical Engineering, University of California, Berkeley (thesis in interactive courseware design / assessment), 1995.

Certificate, Management of Technology, University of California Berkeley College of Engineering / Haas School of Business, 1995.

B.S., Mechanical Engineering, University of California, Berkeley, 1993.

REFERENCES

Available on request