TIM SCHWICHTENBERG

Director, Learning Technology | AI Strategy & Innovation Leader
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PROFESSIONAL SUMMARY

Results-driven technology leader with 14+ years of experience at the intersection of education, software development, and AI innovation. Proven track record of delivering enterprise-scale platform migrations, custom application development, and data-driven solutions that directly impact organizational efficiency and learner outcomes. Combines deep technical expertise in LMS administration and educational technologies with strategic business acumen to drive cross-functional initiatives that have generated over $500K in annual cost savings. Independently builds AI-powered platforms and tools, including a SaaS document intelligence product and an LTI-integrated educational simulation engine. Recognized industry thought leader and U.S. Army veteran.

PROFESSIONAL EXPERIENCE

CFA Institute   *Remote*
Director, Learning Technology   January 2025 – Present
Senior Manager, Learning Technology   May 2023 – December 2024

- **Platform Migration:** Spearheaded the enterprise LMS consolidation from BenchPrep to Canvas, delivering all Certificate Programs and CFA Program on time, on scope, and within budget.
- **Operational Scaling:** Scaled live course operations nearly 1,000%—from 55 courses in FY2024 to 600+ scheduled in FY2025—by collaborating with engineering teams to design automated course creation and content deployment workflows.
- **Cost Optimization:** Drove over $500K in annual cost savings through strategic technology decisions — evaluating and selecting optimal platforms and developing custom tooling to eliminate third-party vendor dependencies.
- **Data Strategy & Analytics:** Led the Canvas data analytics workstream, partnering across the institution to architect new data pipelines for learner analytics, informing program strategy through Tableau dashboards and ad hoc reporting.
- **Custom Application Development:** Designed and developed custom software applications to address niche business needs:
    ◦ Built a QA evaluation tool enabling quality review teams to efficiently assess CFA program assessments in-platform, directly enabling on-time program launch.
    ◦ Collaborated with Instructure to deliver a custom performance/progression dashboard and practice assessment tool for the CFA program.
- **Cross-Functional Leadership**: Partnered extensively with data engineers, data analysts, software engineers, and product managers to deliver learning platform initiatives — from defining enrollment automation requirements with engineering teams, to consulting data engineers on learner data pipeline architecture, to advising product managers on platform capabilities and technical feasibility of proposed solutions.
- **Industry Thought Leadership:** Represented CFA Institute on the Canvas Career Product Council, providing strategic feedback that shaped product roadmap features including built-in skills capture aligned with institutional goals.
- **Conference Presentation:** Presented at InstructureCon two years in a row, most recently delivering a session on an AI evaluation framework for educational technology.
- **Technology Evaluation:** Led research, evaluation, and implementation of emerging technologies including coding platforms, AI integrations, and LTI tools—conducting vendor demos, VPAT accessibility analysis, and technical viability assessments.
- **Accessibility**: Championed accessibility standards across all learning platforms, conducting hands-on audits of course content and assessments, evaluating new technologies for WCAG/Section 508 compliance, and providing guidance to cross-functional teams on accessible design practices.

Adtalem Global Education (Chamberlain University)   *Remote / Addison, IL*
Curriculum Technology Manager   July 2018 – February 2022
Instructional Technologist / Web Developer   September 2017 – July 2018
Course Producer I – Course Producer II   May 2012 – August 2017

- Managed instructional design and technology integration for 11 undergraduate courses spanning Math, Computer Science, Business, and Sciences—overseeing media development, copyediting, and LMS content deployment.
- Administered and integrated multiple third-party LTI education platforms, including adaptive learning technologies, across the General Education program.
- Served as primary technology consultant for the department, evaluating and recommending integrations, and working directly with faculty to develop solutions that improved course outcomes and operational efficiency.

- Developed responsive web-based business applications and educational content for delivery across online, mobile, and blended modalities using HTML, CSS, JavaScript, AngularJS, Firebase, SQL, and DynamoDB.
- Taught COMP150 as Visiting Professor, covering operating systems, Microsoft Office Suite, and collaboration tools.

EDUCATION

Master of Business Administration, Information Systems Management | 2017
Keller Graduate School of Management

Master of Science, Instructional Design and Technology | 2014
Western Illinois University

Bachelor of Arts, General Studies | 2010
Western Illinois University

Full Stack JavaScript Software Engineering Certificate | 2022
Fullstack Academy

PERSONAL PROJECTS

IntelliRepo — AI-Powered Document Q&A Platform | intellirepo.ai
- Designed and developed a multi-tenant SaaS platform enabling organizations to upload documents into collections and query them using AI-generated answers with source citations, powered by a RAG architecture with semantic search and vector embeddings.
- Built full enterprise feature set including role-based access control (RBAC), organization management, audit logging, and usage analytics to support compliance and governance requirements.
- Developed a developer ecosystem including RESTful API, JavaScript and Python SDKs, and an embeddable chat widget for third-party integrations and white-label deployment.
- Engineered Slack integration allowing teams to query document collections directly from channels. Managed full product lifecycle from architecture through documentation and pricing strategy.
- Tech Stack: Node, Next.js, FastAPI, AWS RDS PostgreSQL, S3, Bedrock (Titan Embeddings / Anthropic), Cognito, EC2

AI Educational Simulation Engine — LTI-Integrated Learning Tool
- Designed and built an AI-powered educational simulation platform
- Enables instructors to create structured simulation scenarios with AI personas, scenarios, and rubric-aligned assessment criteria; students interact with the AI within guided, pedagogically scaffolded experiences.
- Architected for LTI 1.3 integration with Canvas LMS, supporting authenticated launches, per-lesson context, human-in-the-loop workflows, and interaction logging for assessment purposes.
- Tech Stack: Node, React, Express, PostgreSQL, AWS Bedrock, Apache

PROFESSIONAL DEVELOPMENT & LEADERSHIP

- Emerging Leaders Program – Center for Creative Leadership (2025)
- InstructureCon Presenter – AI: What Do I Even Do With It? Sparking Curiosity and Exploring Considerations in Learning (2025); Professional Learning in Canvas: Forging a Path into Uncharted Territory (2024)
- Quality Matters - Applying the QM Rubric (APPQMR) (2019)

MILITARY SERVICE

Sergeant, United States Army | 2000 – 2007
MOS: 63B (Active Duty), 11B (National Guard). Deployments: Afghanistan, joint training in Poland, Hurricane Katrina relief (New Orleans, LA).