

BRIAN DEMSEY

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SUMMARY

Actuary and entrepreneur with a five-decade career in quantitative analysis, employee-benefits consulting, and public-sector risk — now a hands-on founder building full-stack AI-reliability and education-accountability platforms end to end. Founded and ran a benefits-actuarial consulting firm serving hundreds of public agencies for over two decades before its 2024 acquisition, and today designs, ships, and operates a 70+ repository SaaS product family spanning all 50 U.S. states and multiple countries. Combines the judgment of a career actuary with the reach of an operator who takes a product from a blank repository to a live, monitored, tested service.

EXPERIENCE

Hallucinations.cloud — Founder & Chief Executive 2023 – Present

AI-reliability platform that measures the trustworthiness of large-language-model output across providers.

- Built a multi-model query platform integrating leading LLM providers (OpenAI, Anthropic, Google Gemini, Cohere, Grok, DeepSeek, Perplexity, OpenRouter) behind a single unified interface, surfacing agreement, divergence, and fabrication across models.
- Created the “H-Score” approach to making AI trust measurable, with automatic contradiction and hallucination detection.
- Directed build of a Twilio SMS-verified sign-in flow, an automated email-notification pipeline (Gmail SMTP), and a Playwright end-to-end test suite covering the full sign-in-to-query journey.
- Rebuilt the marketing site as a version-controlled static GitHub Pages property, replacing a legacy website-builder site to enable direct edits.

VERA / H-EDU.solutions — Founder & Product Owner 2024 – Present

Education-accountability SaaS verifying that interventions actually reach individual students — a Hallucinations.cloud initiative.

- Directed build-out of 70+ GitHub repositories, roughly 59 of them jurisdiction-specific Streamlit deployments (one per U.S. state plus Ontario, the Netherlands, Australia, New Zealand, and Tokyo), each auto-deploying to its own live Render service.
- Built vera-federation, a cross-jurisdiction comparison engine spanning 55 jurisdictions across six countries.
- Directed development of vera-comply, an AI-governance compliance tool for California districts under SB 1288.
- Specialized in detecting hidden achievement gaps — “Type 4” students who show strong oral communication but weak written performance — that conventional accountability systems overlook.
- Owns the full infrastructure stack across the product family: GitHub (source), Render (hosting / auto-deploy), and GoDaddy (domain / DNS).

Demsey, Filliger & Associates, LLC — Founder & President 2003 – 2024

Employee-benefits actuarial consultancy specializing in retiree health (OPEB) valuations for public agencies.

- Founded and led the firm for 21 years, providing cost-effective OPEB actuarial consulting to hundreds of public agencies across California and beyond.
- Delivered GASB / ASC 715-60 retiree-benefit valuations, funding strategies, and trust-and-disclosure support used by school districts, municipalities, and special districts.
- Firm acquired by Foster & Foster on January 2, 2024; staff joined the firm’s San Mateo, California office.

Ernst & Young (EY) — Partner — Actuarial / Benefits Consulting Earlier career

Partner in the firm’s actuarial and employee-benefits consulting practice.

- Advised public and private organizations on health and retirement plan design, funding, and risk.

SELECTED TECHNICAL PROJECTS

GA Compare — AI Policy Compliance Comparison — Founder & Product Owner 2026

Standalone tool evaluating district and corporate AI-policy adoption against regulatory benchmarks.

- Scored subjects against SB 1288, GSBA / GaDOE guidance, ISO 42001, SB 53, and the NIST AI RMF, including a corporate case study (Anthropic).
- Designed a three-screen flow — subject selection, control-by-control scorecard, cross-comparison matrix — deployed on Render with a path into the broader H-EDU COMPLY product line.

The Campus — Technical Implementation

2026

Marketing / sales site for a 90.94-acre, 12-lot land assembly built for a corporate real-estate transaction.

- Built and deployed live on GitHub Pages with a wired lead-capture form (Web3Forms).
- Diagnosed and resolved a subtle cross-browser typography defect (ClearType subpixel fringing) by isolating it from font, CSS, and JS causes against a known-good reference.

case.h-edu.solutions — Technical Implementation

2026

Multi-page narrative site translating a strategic-planning document into a navigable web property.

- Built a docx-to-HTML content pipeline (custom PowerShell parser) preserving exact source wording, structure, and images across 13 pages.
- Deployed to Render with Google Analytics 4 instrumentation across the full site.

LEADERSHIP & BOARDS

Chairman of the Board, Beckman Laser Institute — elected Summer 1997.

WRITING

Author of 50+ articles on AI safety and reliability, education reform, technology, and public policy at demsey.com.

EDUCATION

B.A., Mathematics and Sociology — University at Buffalo (State University of New York).

Continuing professional development in actuarial software (ProVal, via WinTech).

TECHNICAL ENVIRONMENT

Python, Streamlit, HTML / CSS / JavaScript, Git / GitHub, Render, GitHub Pages, GoDaddy DNS administration, Playwright (end-to-end testing), REST API integration, PowerShell, SQLite.

Domains of expertise: employee-benefits and OPEB actuarial valuation, public-sector risk, AI reliability and governance, education-accountability data (CAASPP, ELPAC, NAPLAN), and AI-compliance frameworks (SB 1288, ISO 42001, NIST AI RMF).