Troy Redding

AI Strategy and Adoption

Technology and AI leader with 13+ years of experience in regulated industries. Leads enterprise AI adoption and develops responsible use policies across business and technical functions in water technology. Directs PolicySight's team of 11, using AI to analyze legislative changes, inform lobbying and business strategy, and identify market opportunities. Combines production AI delivery and technical team development with executive and board advisory experience in strategy, risk, and governance.

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policysight

WORK EXPERIENCE

Founder and Principal

PolicySight

12 / 2024 - Present

- Hired and developed a multidisciplinary team of 11 spanning AI development, business strategy, and lobbying; lead technical delivery and resource allocation across client engagements.
- Built client applications, data pipelines, and AI agents for legislative research and monitoring. Lead ongoing development, integrating source grounding, retrieval evaluation, and human review into RAG workflows to support accurate, traceable analysis.
- Advise executives and boards on AI strategy, regulation, and procurement; translate technical and policy developments into clear recommendations on investment priorities, risk, and market opportunities.

Applied AI Engineer

Metron

Reports directly to the CTO. Promoted from Data Analyst to Data Engineer to Applied AI Engineer.

07 / 2024 - Present

- Built and deployed companywide AI and Power BI systems, giving teams a shared view of project schedules, materials, costs, risk, and quality to support planning and operational decisions.
- Led AI adoption across engineering, operations, sales, and customer excellence; evaluated and supported deployment of Microsoft Copilot, Claude, and ChatGPT, providing practical training and responsible use guidance to integrate AI into daily workflows.
- Prioritized AI initiatives by business value, risk, and implementation effort; selected internal development, commercial platforms, or specialist partnerships based on operational needs and available resources.
- Deployed production machine learning models with explainable outputs, human review, and controls to prevent data leakage during model validation. Helped maintain water data platforms processing more than 500 million meter readings daily.
- Partnered with engineers to model battery performance and warranty risk across hundreds of thousands of water submeters, aligning model thresholds with engineering specifications, reliability requirements, and liability considerations.
- Led the Data Task Force and coordinated initiatives involving 20+ participants. Supported SOC 2 readiness, vendor selection, access controls, and restrictions on confidential data use.

WORK EXPERIENCE

Senior Data and Policy Analyst

Solaris Energy Infrastructure

05/2020 - 07/2024

- Replaced manual spreadsheet tracking with automated workflows using Python, SQL, and Power BI, accelerating reporting and improving documentation quality.
- Analyzed millions of telemetry data points daily to assess hydraulic performance and fluid handling processes across dozens of wellsites and mobile fleets.
- Improved PLC and SCADA data quality through controls for sensor drift and missing intervals. Used ArcGIS to assess regulatory exposure across operational locations.

Lobbyist and Regional Community Organizer

Western Colorado Alliance

09/2017 - 05/2020

- Led statewide legislative campaigns and coalitions of 20+ participants, coordinating engagement with lawmakers and technical experts, organizing testimony, and managing public communications.
- Advised the Board of Directors and Policy Committee on legislative strategy, risk, and implementation; represented the organization in discussions with government officials and regulators.

Senior Manager, Government Affairs

Baker Hughes

Also held Manager, Government Affairs (2010 to 2012). Earlier roles: Public Policy Analyst, 2009 to 2010; Field Technician and Spooler, 2008 to 2009. Technical foundation in pumps, telemetry, SCADA and engineering schematics.

08/2008 - 07/2017

- Managed four to six direct reports and coordinated work across technical, legal, and commercial teams; advised regional presidents, business unit vice presidents, and general counsel.
- Partnered with data engineering and computer science teams on ArcGIS analyses that informed executive decisions on risk, market access, and technology alignment with technical standards.
- Directed engagements with APCO Worldwide and external specialists, overseeing resource allocation, vendor governance, and ethics controls.
- Helped build an internal government affairs function, establishing analytical workflows, developing staff capabilities, and reducing reliance on external retainers.

EDUCATION

Master of Science in Data Science

University of Colorado Boulder

Bachelor of Arts in Political Science and Government

Colorado Mesa University

SKILLS

AI Governance | Generative AI | LLMs | AI Agents | RAG | API Integration | Model Evaluation | Python | R | SQL | Microsoft 365 | Microsoft Azure | Power Automate | Power BI | Esri ArcGIS