

Andrew Pepper

321-416-7711

pepper_andrew@yahoo.com

Merritt Island, FL

PROFESSIONAL SUMMARY

Experienced professional specializing in Responsible AI Governance and AI Risk Management, with expertise in developing governance frameworks, model evaluation pipelines, and enterprise AI program leadership. Proven ability to align AI systems with industry standards and regulatory guidelines while mitigating risks and ensuring ethical deployment. Seeking to leverage advanced skills in generative AI governance and cross-functional leadership to drive innovation and compliance in the Desired Job Title.

SKILLS

Responsible AI Governance

AI Risk Management and Model Oversight

Generative AI Governance Model Lifecycle Governance

NIST AI Risk Management Framework

AI Ethics and Bias Mitigation

AI Safety Evaluation Frameworks

Enterprise AI Program Leadership

AI Observability and Monitoring

Model Evaluation Pipelines

Data Governance and Privacy Controls

PII and Sensitive Data Risk Management

Cross Functional AI Governance Leadership

Product roadmapping

Product documentation

Business analysis

Data-driven decision making

Product launches

Software development lifecycle

Product lifecycle management

Competitive analysis

EXPERIENCE

SENIOR TECHNICAL PRODUCT MANAGER - SENTINEL AI GOVERNANCE PLATFORM, Merritt Island, FL

Blue Origin, September 2025-January 2026

- Led the development and operational deployment of Sentinel, an enterprise AI governance platform designed to embed responsible AI oversight into machine learning and generative AI systems used across the organization.
- Designed and implemented governance frameworks integrating responsible AI principles across the full ML and generative AI lifecycle including development, evaluation, deployment, and monitoring.
- Established automated evaluation pipelines for generative AI systems assessing safety, bias, factual accuracy, instruction adherence, and risk exposure using LLM based evaluation methods.
- Built model evaluation and governance scoring frameworks assessing AI systems across multiple safety and governance dimensions.

- Developed automated detection and classification controls identifying PII, CUI, and restricted data across enterprise datasets with human-in-the-loop validation workflows.
- Implemented enterprise monitoring dashboards tracking AI governance metrics, model safety indicators, and operational AI risk signals.
- Aligned governance architecture with NIST AI Risk Management Framework and emerging regulatory expectations for responsible AI systems.
- Partnered with engineering, security, legal, and compliance teams to operationalize responsible AI practices across enterprise AI platforms.

AI GOVERNANCE AND LLM SYSTEMS PRODUCT MANAGER, Merritt Island, FL

Blue Origin, January 2025–September 2025

- Designed enterprise governance infrastructure supporting safe and compliant deployment of generative AI and large language model systems.
- Developed operational governance policies and procedures governing generative AI development, deployment, and enterprise usage.
- Built automated compliance pipelines integrating AI governance validation directly into AI development workflows.
- Implemented LLM evaluation pipelines using DSPy and Langfuse to assess bias, safety, factual reliability, and governance compliance.
- Designed model safety scoring frameworks supporting automated governance reporting and risk assessment.
- Developed metadata governance agents embedded within enterprise data platforms to enforce responsible data usage across AI systems.
- Collaborated with engineering teams to integrate governance validation directly into ML development and deployment pipelines.

SENIOR DATA GOVERNANCE PARTNER AND AI GOVERNANCE LEAD, Merritt Island, FL

Blue Origin, July 2024–December 2024

- Led enterprise initiatives focused on responsible data usage, privacy protection, and governance frameworks supporting analytics and AI systems.
- Developed governance policies and operational standards supporting ethical AI deployment and responsible data usage.
- Implemented enterprise data classification frameworks identifying sensitive data including PII and restricted data across enterprise platforms.
- Designed governance workflows supporting privacy protection and regulatory compliance for analytics and AI environments.
- Partnered with security, compliance, and privacy teams to align enterprise data governance controls with AI risk management frameworks.

DATA GOVERNANCE CAPABILITY LEAD, Merritt Island, FL

Blue Origin, February 2024–July 2024

- Directed enterprise data governance initiatives supporting data quality, classification, privacy compliance, and operational risk mitigation.
- Implemented governance processes supporting enterprise audit readiness and regulatory compliance.
- Developed governance reporting dashboards tracking data risk exposure, compliance status, and operational governance metrics.
- Led cross functional initiatives aligning data governance practices with enterprise analytics and AI initiatives.

SENIOR BUSINESS ANALYST, Merritt Island, FL

Blue Origin, February 2023–February 2024

- Led analytics and governance initiatives supporting enterprise technology and supply chain operations.
- Designed enterprise data architectures improving operational traceability, governance oversight, and compliance monitoring.
- Developed analytical models and reporting frameworks supporting operational decision making across enterprise platforms.
- Collaborated with cross functional stakeholders to improve transparency and governance across enterprise data systems.

DATA STEWARD AND GOVERNANCE ANALYST, Merritt Island, FL

Blue Origin, April 2022–February 2023

- Supported enterprise data governance initiatives including metadata management, classification standards, and governance program operations.
- Developed governance documentation and classification frameworks supporting enterprise compliance and audit readiness.
- Maintained enterprise data dictionaries, metadata definitions, and governance standards across analytics platforms.

HR TECHNOLOGY AND ANALYTICS

The Coca Cola Company, September 2018–April 2022

- Supported global HR analytics initiatives including governance frameworks for HR data quality and compliance.
- Designed and maintained enterprise HR dashboards supporting leadership decision making and workforce analytics.
- Collaborated with HR technology teams to ensure privacy and governance standards were maintained across global HR data systems.

MILITARY POLICE SENIOR LEADER / SENIOR DRILL SERGEANT AND INSTRUCTOR

United States Army, June 1998–July 2014

- Led training and leadership development programs responsible for preparing military personnel for operational readiness.
- Developed structured training systems and operational evaluation frameworks supporting mission readiness.
- Managed high responsibility operational environments requiring disciplined leadership and performance oversight.

EDUCATION

MASTER OF SCIENCE IN INDUSTRIAL ORGANIZATIONAL PSYCHOLOGY

Missouri University of Science and Technology, January 2018

BACHELOR OF SCIENCE (B.S.) IN APPLIED PSYCHOLOGY, Springfield, MO, US

Drury University, 2014

BACHELOR OF SCIENCE (B.S.) IN SOCIOLOGY, Springfield, MO, US

Drury University, US

CERTIFICATIONS

- AI Governance Certification, Securiti AI, 2024
- Create and Lead an Ethical Data Driven Organization, CertNexus, 2025
- AWS Artificial Intelligence Practitioner, Amazon Web Services, 2025
- AWS Generative AI for Developers, Amazon Web Services, 2025
- IBM AI Product Manager, IBM, 2025
- Generative AI Foundation Models and Platforms, IBM, 2025
- Tech Risk and Compliance Professional, OneTrust, 2024
- Data Management and Governance with Unity Catalog, Databricks, 2024
- Google Project Management Certificate, Google, 2025
- CertNexus Certified Ethical Emerging Technologist, 2025
- Promote the Ethical Use of Data Driven Technologies, CertNexus, 2025
- Generative AI Leader, Google Cloud, 2025
- Generative AI Applications with Amazon Bedrock, Amazon Web Services, 2025
- Product Management Building AI Powered Products, IBM, 2025
- Certified in Cybersecurity (CC), ISC2, 2025
- DSPM Fundamentals, Securiti AI, 2025
- Alation Data Governance Advocate, Alation, 2024
- Certified Scrum Product Owner (CSPO), Scrum Alliance, 2022

CORE EXPERTISE

- Responsible AI Governance
- AI Risk Management and Model Oversight
- Generative AI Governance
- Model Lifecycle Governance
- NIST AI Risk Management Framework
- AI Ethics and Bias Mitigation
- AI Safety Evaluation Frameworks
- Enterprise AI Program Leadership
- AI Observability and Monitoring
- Model Evaluation Pipelines
- Data Governance and Privacy Controls
- PII and Sensitive Data Risk Management
- Cross Functional AI Governance Leadership

WEBSITE, PORTFOLIO AND PROFILES

- <https://www.linkedin.com/in/andrewpepper1>
- <https://redskull23.github.io/my-website/>

REFERENCES

References available upon request