

Terry D. Eppler

📍 Arlington, VA 22202 ✉ Email 📞 Phone 🔗 Publications 📁 Projects

Results-driven professional with extensive experience in all phases of the federal budgeting and finance ensuring audit success across multiple organizations and agencies, at both the regional and national levels; skilled at executing organizational strategies by leveraging cutting-edge technology, and motivating and developing staff to achieve their maximum potential. Seeking to apply unique skill set as a Senior Analyst whose contributions have directly contributed to mission success of the Active Duty Service, Federal Civilian Service, and a Fortune 500 Company.

Status

- Citizenship: USA
- Veteran Preference: 10 pts for 30% disabled or greater
- Federal Status: Aug 2000 to May 2024, GS-0560-14, 40 hrs/week
- Clearance Levels: Public Trust, Confidential, Secret

Experience

US EPA Headquarters — Sr. Budget Analyst (GS-0560-14)

Oct 10, 2021 - Oct 10, 2024
1400 Pennsylvania Ave.
Washington, DC 20002
40-hrs/week

- Served in several challenging roles within the National Incident Management System (NIMS) during inter-agency responses including Finance Section Chief/Deputy and Operations Section Chief/Deputy responsible for the apportionment, management, and execution of supplemental appropriations and technology during numerous national disasters receiving recognition for many contributions during Hurricanes Gustav, Ike, Rita, Harvey, Isaac, Michael, and Katrina up to and including the COVID-19 National Emergency Declarations. Contributions during the Deep Water Horizon event were recognized nationally with the receipt of the EPA's Gold Medal for Exceptional Service in 2013.
- Streamlined the Agency's Advice of Allowance (AoA) process by drafting policy guidance, authoring LOAs, and mentoring new analysts—accelerating budget releases and ensuring legal compliance with OMB Circular A-11.
- Modernized EPA's budget execution system by designing Power BI and Qlik dashboards that reconciled 2,000+ transactions between the General Ledger and Budget Formulation System—automating 90% of manual reconciliation tasks.
- Developed neural-network-based forecasting tools (e.g., Pogi and Budget-Py) using Python, XGBoost, and PyTorch to project obligations, outlays, and GTAS trial balances—enhancing Treasury and OMB reporting accuracy.
- Re-engineered workflows for survivor benefit changes, cost-of-living adjustments, and garnishment orders; eliminated three hand-offs and compressed cycle time from nine days to three days for these high-volume transactions.
- Led organizational redesign across operations, quality assurance, and policy; rebalanced staffing against demand forecasts and cross-trained employees, increasing peak-season throughput capacity by 40 percent.
- Led trend studies and data quality evaluations across pay, disbursements, and general ledger interfaces; reconciled 100 percent of high-risk variances monthly and raised record-level data accuracy from 93 percent to 99.2 percent.
- Defined key performance indicators for timeliness, accuracy, and customer satisfaction; instituted monthly performance reviews with corrective action plans that drove a 25 percent productivity gain without increasing staffing.

US EPA Office of Research& Development - Sr. Program Analyst (GS-0343-13)

Aug 8, 2007 - Oct 10, 2021
Region 6 Regional Office
1550 Main Street
Dallas, TX-75021
40-hrs/week

- Developed machine-learning models to identify gaps and anomalies in the organization's financial execution and reporting requirements. Conducted extensive research and thorough assessment, including a review of historical data to redesign and align data collection processes with analytical metrics ensuring successful audits from the unit-level to the national-level.
- Automated EPA's fund-tracking workflows by implementing a cloud-based payroll allocation tool, cutting reconciliation time by 75/% and boosting audit readiness across an Agency of 13,000 employees.
- Trained and coached cross-functional teams across the EPA's 10 regions and 10 HQ Program Offices in MAX A-11 procedures, apportionment protocols, and outlay analytics, significantly improving staff capability and process standardization.
- Served as the EPA's financial system administrator responsible for the development and implementation of the Agency's payroll allocation models' integration into the Agency's budgeting system and OMB's MAX A-11 system ensuring 100% utilization of the Agency's appropriated payroll resources and drastically reducing the time between an appropriation's enactment and apportionment.
- Integrated advanced analytics into budget oversight, designing neural-networks that flagged anomalies in obligation patterns, identified systemic execution gaps, and provided leadership with predictive insights that strengthened audit outcomes and improved operational efficiency by 20
- Implemented new data collection methods, developed analytical models, and provided training to staff on data interpretation improving the organization's ability to make informed decisions based on accurate and timely financial and program information increasing operational efficiency by 20% and reducing errors by 15%.
- Defined key performance indicators for timeliness, accuracy, and customer satisfaction; instituted monthly performance reviews with corrective action plans that drove a 25 percent productivity gain without increasing staffing.
- Planned and executed user acceptance testing and contingency simulations for annual cost-of-living adjustments and legislative changes; completed all releases on schedule for two consecutive cycles with zero post-deployment defects of high severity.
- Developed and implemented the EPA's Regional Expiring Fund Utilization/Sweep Process to significantly improve the obligation of expiring resources during their first year of availability, and the no-year fund de-obligation recovery processes to facilitate the over all reuse of millions in obligated but un-liquidated balances.
- Provided training and authored SOPs on data analytics for budget execution, building staff proficiency across regional offices, cutting cycle times by 20%, and equipping analysts with tools to conduct higher-quality variance and trend analysis.
- Standardized Budget Execution "playbooks" (e.g., obligation pacing, de-obligation recoveries, sweep rules) that boosted year end utilization by 20% without violating controls.

Citigroup Internal Audit & SOX-404 Compliance

Aug 8, 2005 - Aug 7, 2007
6400 Las Colinas Blvd
Irving, TX 75039
40-hrs/week

- Identified internal control weaknesses and developed/recommended metrics to ensure the regulatory compliance of four departments, directly responsible for achieving an operational accuracy rate of 99.97% throughout the entire tenure and setting a benchmark within financial services.
- Designed and implemented Citi's Risk Analysis and Reporting System (RARS) to meet SOX 404 compliance, integrating anomaly detection and automated risk modeling—improving audit performance and risk visibility by 40%.

- Researched deficiencies and developed appropriate internal controls to ensure organizational compliance with several Federal regulations such as Sarbanes-Oxley Section 404, Fair and Accurate Credit Transactions, Bank Secrecy, and Securities and Exchange Acts.
- Reorganized workflow and scheduling across intake, adjudication, and quality review; increased throughput 22% with no increase in FTEs (full-time equivalents).
- Briefed senior leaders monthly on risk, compliance, and performance; provided actionable options that reduced audit remediation timelines by 50%.
- Served as key liaison between executive leadership and external auditors, ensuring transparent communication, rapid resolution of findings, and maintenance of investor confidence.
- Designed and developed comprehensive management information system used to test key performance indicators providing Senior Executives real-time information on the effectiveness of internal controls, ensuring SEC filings were accurate, timely, and consistently ahead of quarterly reporting deadlines.

US Air Force 18th Wing - ATC Operations Supervisor

Dec 7, 1998 - Aug 5, 2005
Okinawa ATC Operations
Center Nakagami District,
Japan 40-hrs/week

- Managed the organization's Process Improvement and Quality Control program. Developed "ATC Best Practices" data management system to share successful techniques and aligned geographically dispersed organizations with federal aviation standards while simultaneously leveraging the Air Force's unique talent around the globe. Offset critical low-manning within two Mission-Essential, high-turnover career field specialties (En-Route & Terminal Air Traffic Control) through the development and implementation of cross functional training opportunities within each environment.
- Supervised and trained 70+ Airmen across en-route and terminal ATC specialties, instilling FAA and USAF standards; raised certification rates 20% while cutting wash-out rates nearly in half.
- Projected resource needs and redesigned job roles to manage a 130% surge in operational demand with a 40% reduction in manpower during Operation United Assistance—ensuring uninterrupted mission support across multiple AORs.
- Projected personnel requirements and conducted extensive job analysis/redesign to simultaneously support a 130% increase in operations while undergoing a 40% decrease in manpower during Operation United Assistance (2005 Indian Ocean Tsunami: efforts enabled the simultaneous support of Operations Enduring Freedom and Iraqi Freedom while actively participating in the recovery efforts of the largest disaster in recorded history).
- Applied the Six Sigma (DMAIC) methodology to aviation operations conducting extensive organizational research to evaluate daily operations and identify key areas of probable improvement. Redefined obsolete quality metrics and performance expectations to reflect current operations environment while leveraging technological proficiencies to automate processes and reduce the overall Cost of Training by 50k annually per FAA-licensed Controller.
- Modernized RADAR Air Traffic Management Systems (ATMS-R) testing protocols, leading beta evaluations for FAA and DoD upgrades; reduced system downtime 35% and informed acquisition requirements.

Contributions

Badger

- Badger incorporates machine-learning and artificial neural-networks to extrapolate insights from Large Language Models (LLMs) fine-tuned with budget execution to enhance its analytical capabilities. Users leverage LLMs for rapid retrieval augmentation for the creation of projection models that automate reporting with the OMB MAX A-11 and the Treasury (GTAS).

Budget-Py

- A data science proto-typing tool for exploratory analysis customized for environmental program management & budget analysis that uses Retrieval Augmentation Generation (RAG) to compile historical budget data from the Office of Management & Budget from FY1962 to FY2024 to project obligations and outlays through FY2035 for MAX A-11 reporting.

Schedule-X

- A machine-learning tool kit integrating generative-ai for OMB A-11 DE reporting that is built using Tensorflow and Python. ScheduleX provides a structured and extensible workflow that’s equally useful for teaching, prototyping, and analysis while projecting Prior Year, Current Year, Budget Year, and Out Year estimates at the Treasury Account (TAS) level.

Pogi

- A deep-learning framework for Budget Execution and Data Analysis built in Python and is designed for rapid prototyping, visualization, and benchmarking to improve the forecasting of federal account balances (e.g., authority, obligations, and outlays) at the TAS-Level.

Technology

- Data Analytics:** ADO.Net, Entity Framework, LINQ, Qlik, Tableau, Pandas, SQLite, SQL Server, Power BI, & Power Query.
- Large Language Models:** Ollama, OpenAI, Mistral, Groq, Llama, Gemini, and OpenAI.
- Artificial Neural Networks:** ML.NET, SciPy, Tensor-Flow, SciSharp, PyTorch, and LangChain.

Training

Six Sigma Analysis and Design	2002
Statistical Modeling for Six Sigma	2006
Internal Controls and Sarbanes-Oxley 404	2005
FEMA ICS 200 Incident Command System	2008
FEMA IS 800 National Response Framework	2008
FEMA IS 703 National Incident Management System Resource Management	2008
E/L 958: All-Hazards Position Specific Operations Section Chief	2009
FEMA E/L 973: All-Hazards Position Specific Finance Section Chief	2010
FEMA ICS 400 Advanced ICS	2011
Apportionments, Office of Management and Budget	2021
Circular A-11, Office of Management and Budget	2021
Budget Execution I & II, Office of Management and Budget	2022
Mid-Session Review, Office of Management and Budget	2021
Appropriations Language, Office of Management and Budget	2023

Education

BS	University of Maryland , Management	Sept 2000 – May 2003
MS	Sperling School of Business , Business	Sept 2003 – May 2005
PhD	NorthCentral University , Financial Management	Sept 2009 – May 2014