

KAILA J. GILBERT

Data Scientist · Data Visualization Specialist · Analytics Storyteller

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PROFESSIONAL SUMMARY

Senior Data Scientist and consultant with 6+ years translating complex datasets into compelling narratives that drive measurable outcomes. Formal background in Data Analytics, Organizational Development and Creative Writing. Specializes in geospatial analysis, cloud-based analytics, and interactive data visualization for Federal Civilian and Health agencies. Proven ability to uncover millions in operational value, communicate insights to executive and policy audiences, and champion ethical, equitable AI practices. Perceptive, energetic, and lover of teams.

CORE COMPETENCIES & TECHNICAL SKILLS

Data Science & ML	Machine Learning, Predictive Modeling, NLP, Linear/Nonlinear Programming, Decision Sciences, Forecasting, Workforce Optimization, Script Development
Visualization & BI	Tableau, Power BI, ArcGIS, Geospatial Mapping, Dashboard Development, Interactive Reporting
Programming	Python (pandas, scikit-learn, geopandas), R, SQL, Jupyter
Cloud & Platforms	Red Hat OpenShift, AWS, Git, Agile/SAFe, Salesforce
Storytelling & Comms	Executive Briefings, Sales Presentations, Policy Memos, Data Demos, Stakeholder Training, Analytics Coursework Development
Domain Expertise	Federal Health & Civilian Agencies, Design Thinking, Client Engagement

PROFESSIONAL EXPERIENCE

IBM (Federal) | Washington, D.C.

Sep 2020 – Mar 2025

Senior Consultant & Advanced Analytics specialist, AI Ethics Champion, and Neurodiversity Advocate serving Federal Civilian and Health agencies. Secret Security Clearance (2023).

Project: U.S. Postal Service – Analytics & Logistics Optimization Data Scientist / PMO Support | Nov 2023 – Mar 2025

- ▶ **Identified \$40M+/year in cost savings** by building freight optimization and data mining workstreams using Python and cloud-based analytics on Red Hat OpenShift.
- ▶ **Translated geospatial network data into visual decision tools** that helped operations teams pinpoint inefficiencies and reduce freight costs by millions.
- ▶ **Helped lead Python development, Agile sprint facilitation (Scrum Master), and PMO consulting** for the Integrated Logistics Ecosystem (ILE) data modernization initiative.
- ▶ **Fortified fraud and audit analytics pipeline** leveraging cloud data infrastructure to surface anomalies for compliance teams.

Project: U.S. Food & Drug Administration (CDER) Lead Data Scientist / Technical Modeler | May 2021 – Mar 2024

- ▶ **Reduced study review time** by leading Python script development for KickStart, an automation platform that generated meaningful statistical insights from drug applications.
- ▶ **Performed 80+ data quality checks** on drug submission datasets to brief CDER medical reviewers on analytical risk and data integrity issues — translating technical findings into clear, actionable guidance.
- ▶ **Automated time-intensive manual workflows** (CoreDF workstream), reducing reviewer burden and improving throughput for FDA drug review timelines.
- ▶ **Served as BPO specialist and communications aid** for the Center for Tobacco Products, managing cross-functional department collaboration within a SAFe Agile framework.

Data Science for Social Good | Pittsburgh, PA

Apr 2020 – Sep 2020

- ▶ **Built an interactive Tableau and Python dashboard** for Voter Protection Corps to identify COVID-19 voter resource gaps nationwide — visualizing state-level hotspots and potential demographic biases.

- ▶ **Coordinated data demos with national political campaigns** to communicate analytical findings and support targeted resource allocation.

Carnegie Mellon University | Pittsburgh, PA

Aug 2019 – Aug 2020

Research Advisor / Teaching Assistant

- ▶ **Quantified millions in ROI** for Manchester Bidwell's workforce development program by integrating state earnings data, social services records, and self-reported data using ML and spatial/survival analysis.
- ▶ **Synthesized findings into policy narratives and visual reports** for agency leadership; used futures scenario analysis to guide digital adoption strategy.
- ▶ **Supported MBA, Policy, and CS students** as Teaching Assistant for Negotiation; led office hours and training sessions.

BluWave, LP | Brentwood, TN

Mar 2018 – Jul 2018

Research Associate

- ▶ **Served as sixth employee** at a fast-growing PE advisory firm; built and curated a network of 120+ value creation and due diligence resources featured in M&A Magazine.
- ▶ **Operationalized Salesforce analytics data**, developed onboarding materials, and trained new hires on database management processes.

Dell EMC Technologies | Nashville, TN

Jul 2015 – Oct 2017

Account Executive

- ▶ **Averaged 117% of annual quota** in B2B enterprise/public/client sales, generating \$3M+ in revenue over two years for Dell's pilot SMB program.
- ▶ **Designed hardware and data center solutions** for small and medium businesses in the greater NY area, collaborating with channel partners to tailor and close complex deals.

FEATURED ACADEMIC PROJECTS

- ▶ **Transit Accessibility Index (Data Lead)** — Partnered with Allegheny County DHS to redefine transit equity by integrating rider concerns with geospatial analysis; built standalone Python, ArcGIS, and R tools to visualize coverage gaps for policymakers.
- ▶ **Predicting Environmental Waste Violations in New York** — Applied ML to help the EPA prioritize high-risk facility inspections; conducted a fairness audit and engineered spatial features in ArcGIS/Python to ensure equitable enforcement recommendations.

EDUCATION

Carnegie Mellon University – Heinz College | Pittsburgh, PA

May 2020

Heinz Industry Partners Fellow · Honors Distinction

GPA: 3.84

Key Coursework: Data Mining · AI/Machine Learning · Unstructured Data · GIS · Optimization (I–IV) · Econometrics · Business Process Modeling

Vanderbilt University – Peabody College | Nashville, TN

Aug 2015

Magna Cum Laude + Departmental Honors · Study Abroad: Rabat, Morocco & Beijing, China

GPA: 3.88

Key Coursework: Small Group Behavior · Adv.Creative Writing · Systematic Inquiry · Neuroscience · Sociology · Ed Policy