

JOSEPH BOYLE

Data Analysis and Visualization

347-651-6181
joey@datapunk.me
<https://datapunk.me>
Baltimore, MD 21211

SUMMARY

Data science professional with over 13 years of experience in analytics, visualization, and operations across Fortune 50 companies. Proven track record managing civic data sets, leading geospatial analytics for state and federal partnerships, and building compliant, scalable processes. Strong expertise in SQL, Python, GIS, and Tableau, as well as collaboration with global cross-functional teams.

WORK EXPERIENCE

DATA ANALYST 4 – ENTERPRISE BUSINESS INTELLIGENCE - Comcast NBC Universal / Remote / Philadelphia, PA - 2023 – 2025

- Maintained and audited national broadband infrastructure data sets and shapefiles used for expansion planning and government grant applications.
- Utilized SQL-based models to blend proprietary data with government data sets from Census Bureau and FCC to analyze population density in areas underserved by broadband providers.
- Contributed to internal CRM and data pipeline processes, uploading validated partner and location data for field sales teams.
- Optimized SQL queries to efficiently handle larger datasets, ensuring seamless Tableau performance without overloading servers or causing slowdowns.
- Supported Central Division's Network Expansion and Hyper Local teams with ad hoc reporting and geospatial analysis, utilizing Tableau, SQL, ArcGIS, Python.
- Automated the processing of building permit data, reducing divisional analyst workload and enhancing reporting accuracy.
- Wrote and maintained Central Division Network Expansion process documentation in Confluence.

BI ANALYST II / CONSULTANT – COMCAST BUSINESS - Pyramid Consulting / Remote / Sunrise, FL - 2022 – 2023

- Led geospatial analysis to identify broadband gaps using ArcGIS, SQL, Python tools, supporting state and federal grant applications for network expansion.
- Developed geospatial analysis that secured over \$170M in broadband infrastructure grants through Florida and Georgia government.
- Conducted desk research and QA reviews of public permit data for commercial construction projects.
- Developed and maintained geographic shapefiles and metadata in ArcGIS for network expansion projects, integrating marketing data through SQL for enhanced analysis.

BUSINESS INTELLIGENCE DATA ANALYST – TEAM LEAD - Apple / Austin, TX - 2018 – 2022

- Spearheaded data analysis and reporting initiatives, resulting in \$99M in cost savings by reducing vendor chargebacks due to shipping issues; received Apple's operational excellence award for this achievement.
- Collaborated with cross-functional project teams in Ireland and Singapore to optimize shipment management worldwide, leveraging Tableau, SAP BusinessObjects, and Excel to drive actionable insights.
- Led training on advanced BusinessObjects techniques for 400+ global attendees, improving analytics adoption across international teams.

BUSINESS SUPPORT SPECIALIST - Apple / Austin, TX - 2012 – 2018

- Conducted statistical analysis and built Tableau reports on returns data, identifying top drivers of product returns and recommending process improvements.

EDUCATION

UNIVERSITY OF MARYLAND – Adelphi, MD – 2024-present

- Certification in Artificial Intelligence Foundations – Completed 2025
- Bachelor's in Data Science - Expected 2026
- Dean's List

GENERAL ASSEMBLY TECHNICAL SCHOOL – Austin, TX – 2021

- Certification in Data Analytics
- Tableau, SQL, and Advanced Excel

SKILLS

Software Skills

SQL (SSMS, Postgres, MySQL, Teradata, Trino), Tableau, Power BI, Geographic Information Systems (GIS: QGIS, AEGIS, ArcGIS), SAP BusinessObjects, Microsoft Office Suite, Google Suite, Mac and Windows platforms, Python (pandas, NumPy, matplotlib, geopandas)

Advanced Excel skills (INDEX/MATCH, lookups, arrays, macros, scripting, pivot tables) and cloud-based spreadsheet tools such as Smartsheet, Google Sheets, Numbers, Quip

General Skills

- Data Analysis, Dashboarding, Visualization
- Business Requirements Gathering
- Cross-Functional/Stakeholder Collaboration
- Public Speaking/Presentation
- Remote Work
- Shipping/Logistics/Supply Chain
- Product Roadmaps/Process Improvement
- KPI Reporting

AWARDS

- Above and Beyond Award for Operational Excellence – Apple
- Toastmasters Competent Communicator Award – Recognized for excellence in public speaking and leadership