

DAVID RIORDAN

Platforms and Products with Data and ML

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WORK EXPERIENCE

VP of Data & Insights

The Philadelphia Inquirer

December 2021 – May 2023 Philadelphia, PA / Remote

- Developed and executed organization-wide data strategy, leading to product-led growth by collaborating with Data & Insights team, data engineers, and research data library
- Founded and managed data engineering at The Inquirer, implementing a cloud-native data mesh for analytics, governance, experimentation, and ML-enabled features with organization-wide accessibility
- Launched an organization-wide experimentation program, and personally built experimentation platform, resulting in 30% subscriber growth and preventing dropoff in key customer acquisition channels
- Oversaw Data Analytics, User Research, and Data Engineering teams, with 6 direct reports and a staff of 12

Technical Product Manager: Insight Foundations / ML Platform

Spotify

August 2018 – June 2021 New York, NY

- Developed and executed audio machine learning infrastructure strategy, reducing engineering time by 75%, cutting costs by 80%, and improving collaboration between Research Scientists and Engineering, especially for the generation of new audio-derived ML features
- Open sourced Spotify's audio ML framework, Klio, in close partnership with Google Cloud, accelerating industry/research adoption and talent recruitment milestones
- Managed and expanded Data Science Tooling at Spotify, revitalizing an essential internal tool and growing a community of internal contributors

Senior Director of Data and Strategy

The Children's Tumor Foundation

November 2017 – July 2018 New York, NY

- Reformed a team of 20 fundraisers and support staff by encouraging collaboration and implementing improved technical tools
- Developed demographic models for donors, leading to the first predictive model of donor lifecycle classification and value

Chief Technology Innovation Officer

The Brown Institute for Media Innovation - Columbia Journalism School

April 2016 – July 2017 New York, NY

- Improved the grantmaking process for Columbia University and Stanford University, fostering innovation in social justice, data journalism, and open source projects
- Created a new onboarding program for grantees, integrating Open Innovation, Lean Startup, and Agile practices
- Mentored grantees and students on product management and direction, supporting projects such as the Panamanian open data portal and an investigative data journalism publication

SKILLS

Product Management

Product Strategy Rapid Prototyping
Agile Team Leadership User Story Mapping
Open Source Product Marketing User Research
Product Discovery Developer Productivity

Data Engineering

MLOps Data Governance Data Observability
Platform Engineering Analytics Engineering
ELT Golden Dataset Modeling dbt
Infrastructure Automation Data Testing
Kubeflow BigQuery Tensorflow/TFX
Airflow Distributed Data Processing
Event Streaming

Data Analytics

Product Analytics Metric Design A/B Testing
Marketing Analytics Instrumentation Design
Data Storytelling Data Viz / Information Design
Mixed-Methods Research GIS

Leadership

Strategy Community Development
People Ops Organizational Change

LANGUAGES

Python SQL Javascript HTML/CSS Ruby Scala

English Spanish

EDUCATION

Bachelor of Arts

Hamilton College

August 2005 – May 2009

Major: Government (with distinction)
Minor: Computer Science

Product Manager - Search

Mapzen

📅 June 2015 – April 2016 📍 New York, NY

- Launched Mapzen Search, doubling Mapzen's user base. Managed integration and testing across products
- Facilitated product development for a global team of developers and data engineers
- Led the design of open-source applications for community mapping data collection, working with designers, artists, developers, and users

Manager of Product and R&D Group

Product Manager

NYPL Labs - The New York Public Library

📅 August 2011 – June 2015 📍 New York, NY

- Managed product development for NYPL Labs and supervised a team of 5 designer/developers
- Developed a diverse range of products, including web-based, mobile, and API offerings for researchers and the public
- Built the proof of concept, designed the prototype and contributed to the product lifecycle for SimplyE, an open-source e-reader app for NYPL and the White House's ConnectED Open Ebooks initiative
- Managed NYPL's historical geospatial technology program

PR & New Media Assistant

The New York Public Library

📅 March 2010 – August 2011 📍 New York, NY

Product Manager

Medialets

📅 June 2008 – October 2008 📍 New York, NY

- Designed the control plane for the first iPhone-native ad network. Built 4 weeks so our customers could go live when Apple first launched the App Store and the first iPhone apps were available.

Health Investigations Intern

House Committee on Oversight and Government Reform

📅 October 2007 – December 2007 📍 Washington, DC

Privacy Intern

Wilson Sonsini Goodrich & Rosati

📅 August 2007 – October 2007 📍 Washington, DC

Product Management Intern

Revolution Health Group

📅 May 2007 – August 2007 📍 Washington, DC

SELECTED PROJECTS

dbt Modeling Workbench

The Philadelphia Inquirer

A cross-platform, Dockerized IDE to supercharge our analysts and data engineers in dbt (publication forthcoming).

Klio

Spotify

Spotify's open source framework for ML-enabled audio data pipelines, built in close collaboration with Google Cloud using Apache Beam. Designed to continuously process Spotify's audio libraries for easy transition between emerging research and production use cases.

ScienceBox

Spotify

A batteries-included Jupyter workspace for reproducible, collaborative data science; first built locally and then rebuilt for the cloud.

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Mapzen

State-of-the-art open source geocoder designed to be competitive with Google Maps geocoder, but still usable by individuals. Built to power Mapzen Search with 100% open data.