Jake **Riley**

Senior Data Analyst | Philadelphia, PA

☎ 202-243-9677 | ✉ rjake@sas.upenn.edu

 rjake

I have been working with data since 2003. I have a deep passion for automation, collaboration, and advancing data literacy. This resume was even compiled with code. My work history is interwoven with school and working for social service organizations; this is resume reflects the most relevant work history in my analytics career.

💼 Relevant Work Experience

Children's Hospital of Philadelphia
Philadelphia, PA

Clinical Data Programmer/Analyst III
2017 - Present

- Mentor and accelerate technical capital of analytics team while reducing technical debt
- Innovate and enhance in-house data solutions (R packages, dashboard templates, trusted data layer)
- Analytics pipeline from query (SQL) to dashboards and reporting
- Consult on analytic strategy, data visualization, and technical solutions
- Developed automated query generation methodology for US News (1000 questions)
- Introduced novel datasets to our data warehouse (diagnosis hierarchy, self-generating hospital calendar, zipcode markets for strategy)
- Built data infrastructure that became foundation for enterprise tables
- Tools: SQL, Qliksense, dbt, R, shiny, VS Code

Comcast
Philadelphia, PA

BI Analyst - Human Resources
2016 - 2017

- Built new dashboards for employee turnover, data dictionary, and underrepresented minorities for up to 1,200 end users
- Automated a quarterly report for the senior vice president of human resources
- Helped peers use the right methods to generate insights and visualize results
- Provided difficult analyses such as travelling salesman problems
- Tools: SAP Business Objects, Tableau, R

PolicyMap
Philadelphia, PA

Data Analyst
2015 - 2016

- Aggregated over 150 national datasets across 9 geographies
- Developed new automated process for testing and data validation
- Tools: SQL, ArcMap, R

Whole Foods Market
Landover, MD

Production Analyst
2003 - 2008

- Responsible for automating the production schedule for the Mid-Atlantic commissary
- Determined ingredient quantity for daily and holiday orders of 32 stores
- Minimized redundant usage of kitchen equipment (only want to prep and clean each station once)
- Determined how many 180-gallon kettles of soup to be made each hour
- Tools: Excel/VBA

🏛 Education

University of Pennsylvania
Philadelphia, PA

B.A. Sociology - Quantitative Methods | summa cum laude | phi beta kappa
2012-2015

- Non-traditional student. Coursework focused on data analysis, GIS, and data visualization. Projects focused on census data and demography.

Community College of Philadelphia
Philadelphia, PA

A.A. Liberal Arts | with highest honors | phi theta kappa
2011-2012

⚙ Skills

- **highly proficient** data manipulation & visualization – tidyverse – package development – code review
- **proficient** sql – tableau – qliksense – shiny – github – gis – census data
- **novice** javascript – css – dbt – api
- **interested** python – machine learning – advanced statistics

〈〉 R Packages

- **headliner** *(github)* generates building blocks for creating dynamic text
- **shinyobjects** *(CRAN)* allows the user to debug reactive objects interactively
- **simplecolors** *(CRAN)* a simple color palette that is intuitive and easy to remember
- **whereiation** *(github)* where(is the var)iation - an automated exploratory data analytics pacakage

Volunteer/Community

Philadelphia, PA Code for Philly (contributor), Compass (data), Iraq Veterans Against the War (data), #Makeover-Monday (tableau), Men's Resource Center (facilitator), Mill Creek Farm (data), Neighborhood Bike Works (facilitator), OpenDataPhilly (data), Project HOME (data), R-Ladies (speaker), TechCamp Philly (data), TransHealth Conference (data)

Washington, DC DC Trans Coalition (advocate), Emergence Community Arts Collective (data), OneDC (data)