

PHILIP WALKER


I am a driven problem solver, passionate about empowering teams throughout the organization to enact creative solutions addressing the deep rooted challenges around us. I am an agile and practiced learner, having adapted to multiple new roles and industries. A large motivator for me and present within every prior role, is to partner with my customers and quickly produce actionable tools.

WORK EXPERIENCE

2024
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2023

Data Scientist, Revenue Cycle Management

OrthoFi


 Denver, Co/ Remote

- Developed and deployed solutions for Revenue Cycle Management leadership team to integrate Statistical Process Control (SPC) methodologies, allowing for real time alerting to signals instead of reacting to normal variance. In addition to mission control reporting I developed process mining analytics to highlight bottlenecks and process inefficiencies, which in turn were used to help prioritize process improvement initiatives.
- Developed predictive models to determine factors leading to patient's likelihood to become delinquent. Partnered with senior leadership to utilize the model to develop and implement a strategy for more focused collections.
- Led efforts to empower leaders throughout Operations team to integrate data driven decision making into their daily work through development of analytical models and deployment of realtime dashboard solutions.

2023
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2022

Team Lead, Data Science

Spacee


 Dallas, TX/ Remote

- Lead a team of multiple Data Engineers, consultants and an intern while also serving as an individual contributor in the Data Scientist role. Followed agile principles (utilizing JIRA) to manage priorities and communicate to stakeholders. Developed and maintained multiple ETL pipelines (using Airflow, Kafka, Snowflake, R, Python, SQL), interfacing with all functions of the business, including Engineering, Operations, Sales, and the Executive team.
- Implemented automated process flow analytics for our interactive product line to give customers a interactive view of the experience they designed to reflect back the variance between reality and ideal state. Designed, developed and deployed multiple customer facing Shiny Dashboards. Standardized code base to streamline development across team utilizing module-based development.
- Developed multiple algorithms to translate Computer Vision model results into actionable data. Utilized spatial analytics techniques to refine and correct results for variability in deployments to ensure a consistent data product. Implemented an algorithm to assist in the real time loss prevention and inventory management product.

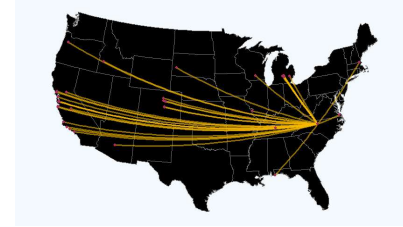
2022
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2021

Director, Enterprise Insights and Analytics

Tanger Outlets

 Greensboro, NC / Remote

- Founding member of the Enterprise Insights and Analytics group, developing a team to break down functional silos and provide actionable insights throughout the enterprise. Managed multiple vendor relationships, ensuring the team could provide solutions to the business while also adjusting resource availability as needed. Provided analytical support to Operations, Sales, Office of the President, Investor Relations, and Marketing teams.
- Developed and deployed automated analytical solutions using MS Office products and R/Rstudio. Partnered with many business units, utilizing many different analytical toolsets (including but not limited to geospatial analytics, surveys, forecasting, VOC, NPS and scenario planning) to drive towards actionable insights.
- After understanding the team had multiple siloed and conflicting reporting solutions, I designed, developed, and implemented a reporting solution for the Marketing team to access unified and standardized metrics, driving the team towards high priority internal performance goals. Streamlined report creation and distribution from a multiple day manual and error prone process to an automated code driven solution, taking 1/10th of the original creation time.



CONTACT

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SKILLS

Languages: R/RStudio, SQL, Git, SAS, MS Office, Basics of Python, Kafka, Airflow, CI/CD, JSON

Applications: SQL Server, Shiny, Snowflake, Tableau, PowerBI, JIRA, Docker, JMP, Minitab, NICE Workflow Management

Methodologies: Time Series Forecasting, Optimization, Automated Reporting, Model Development, Metric/KPI development, Lean + Six Sigma manufacturing principles, Agile Development, Spatial Analytics, Network Analysis, Survival Analysis, ETL, Process Mining

EDUCATION

B.S. Industrial Engineering
M.E. Integrated Tech Mgmt
California Polytechnic St. Univ, SLO
Graduated: 2012 | GPA: 3.89

CERTIFICATES

DataCamp

- * Data Scientist with R
- * Machine Learning with R
- * Spatial Analysis
- * Network Analysis
- * Shiny Fundamentals

2021
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2019

Population Health and Operation Analytics, Consultant

Enterprise Analytics, Cone Health

📍 Greensboro, NC

- Partnered with the data science team to develop tools, methodologies and documentation for analytics teams to better streamline our work via an analytics ecosystem in R. Developed and implemented training for new R users to help transition them from a spreadsheet perspective to a robust and repeatable analytics pipeline.
- Developed geospatial analyses to characterize vulnerable communities whose needs were not being met, allowing Cone to better prioritize their resources and address the greatest need first. Developed a model, using spatial autocorrelation, to statistically highlight health disparities. The model was used to understand COVID vaccination access and allowed for leaders to test potential scenarios and understand how those communities would benefit from different outreach strategies.
- Worked with hospital and community service leadership to pinpoint and help address COVID related recovery across the healthcare system through the development of forecasting models at scale and continuous deployment of an interactive Shiny application for self-service and guided discovery.
- Partnered with HR leadership to understand the disparity between the employee population and the desired alignment with Cone's mission of matching the patient population. Performed a survival analysis to locate and address variation in tenure across our employee population.

2019
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2016

Sr Business Process Analyst

Jackson National Life

📍 Lansing, MI

- Lead Analyst within Operations developing actionable metrics and automated reporting for the Operations-wide Command Center. Partnered with multiple business units across Operations to develop data-driven solutions to problems. Utilized Agile methodologies within the team to help improve workspeed and quickly provide MVP for the customers.
- Daily utilization of statistical programming in R/SAS to develop metrics, tools, reporting applications for multiple Operations customers.
- Served as internal Systems Administrator, increasing the accessibility and knowledge of SAS, R, Python, VBA, SQL to the entire analytics team. Provided mentorship to new users of analytics stack, deploying a knowledge base to reduce tribal knowledge and expose best practices to all end users within Operations.

RECENT PROJECTS AND FUN ACTIVITIES

2024
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2016

Ultimate Frisbee Organizer/Player

📍 Lansing, MI + Greensboro, NC + Denver, CO

- Led a coalition of Lansing Ultimate Frisbee players, enabling our group to remain active year round by moving indoors during the Midwest winters. I ensured that the group was financially sound and developed a strong relationship with the field owner which facilitated a smooth transition from me to the next leader.
- Organized multiple leagues and pick up groups to develop and grow the Ultimate Frisbee community within the Piedmont Triad area. Developed and deployed a website using version control and continuous integration to provide a centralized resource for the community to keep up to date on activities.

2022
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2020

Trusted 10 Survey tool

<https://sportasresearch.com/trustedten/> || <https://phillyfrilz.shinyapps.io/shiny-PersonalNetwork/>

📍 Greensboro, NC

- Worked with a team of researchers across multiple academic and non-profit institutions to develop a web-based survey application to empower them to gather dynamic data more effectively for the research study, allowing them to conduct the data gathering process even during the significant in-person restrictions during COVID. Implemented a robust data pipeline to ensure sensitive data was not shared while still ensuring the data was made available to the interested parties.

2020

Rebuilt CDC's Social Vulnerability Index

https://github.com/phildwalker/gso_data

📍 Greensboro, NC

- To develop a more local geospatial analysis of Greensboro, I researched CDC's methodology for developing their Social Vulnerability Index and rebuilt it using the American Community Survey to provide a more detailed view of communities in need.