Philip **Walker**

ANALYTICS CONSULTANT · POPULATION HEALTH AND OPERATION ANALYTICS, ENTERPRISE ANALYTICS

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The Looma Project   *January 12, 2021*

110 N CORCORAN STREET, FIFTH FLOOR
DURHAM, NC 27701

Data Scientist

Dear Hiring Manager,

About Me

I am an Industrial Engineer (IE) by education (BS and MS from Cal Poly) who has had the good fortune to use my background in system driven thinking to drive improvements throughout all of my roles. I cherish opportunities to find creative solutions to the large scale challenges and through partnerships with the end customer, seeing those solutions implemented and benefits realized. As a Process Engineer for a manufacturing company, a Sr. Data Analyst within the financial industry, and currently as an Analytics Consultant within the healthcare industry, I have found that effective results come from partnering with the end user and driving robust solutions through data driven solutions.

Why Data Science?

After learning more about Data Science at The Looma Project I am drawn to this role, especially as it relates to harnessing the power of analytical tools to drive sustainable improvements which we then pass along to ensure our customers have the best possible service experience. In a world that seems to have constantly increasing uncertainty, I would be excited to work in a data science team who partners with teams throughout the organization to meet the challenges of tomorrow. I am also looking forward to the opportunity to not only learn from vast dept of knowledge of the data science team, but also ensuring that we find more and more ways to collaborate and empower each other to reach our full potentials at every stage of our careers.

Why Me?

I am a creative problem solver who brings to bear the disciplines of IE and analytics to develop robust action driven solutions. As I have in prior positions, I continue to find and quickly learn tools and techniques to help to provide better service to my customers. I learned R, SAS and Tableau within my prior roles when looking to address a gap and after meeting those immediate needs I have found ways to harness those tools to realize additional benefits. I then used what I learned to bring R to both of my teams at my prior two companies, which was incredibly rewarding to see my peers develop and grow more exponentially productive.

Finally, I believe I would be a strong asset to the team by bringing my varied industry experience combined with my customer service mindset to the challenges of this Data Scientist role. In my prior role at the financial services company, I facilitated the growth of our internship program from a single intern to four interns during my last summer (and then got to watch some of them come back for full time positions). I am especially proud of when I developed and implemented a training program which not only gave new team members an introduction to the role, skills needed, the organization and the company as a whole, but also integrated current team members allowing them to highlight their skill sets to ensure new team members started their career immediately empowered to be effective.
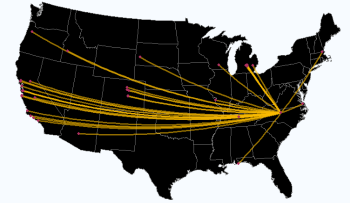
Thank you for your consideration,

Philip Walker
Attached: Resume

PHILIP **WALKER**

I am a driven problem solver, passionate about empowering teams 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. Driving me and present within every prior role, I constantly strive to produce actionable information for my customers.

💼 WORK EXPERIENCE

2020 | 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 a 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 who's needs are not currently being met, allowing Cone to better prioritize their resources and meet the greatest need first. Developed a model, using spatial autocorrelation, to statistically highlight health disparities. The model allowed for leaders to test potential scenarios and understand how those communities might benefit.
- Working with leaders to pin point 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 | 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.
- 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

2015 | 2012

Process Engineer II
HGST, a Western Digital Company   📍 San Jose, CA

- Lead Process Engineer for five layers in CMP process in Class 100 clean room supporting 24/7 manufacturing. Daily use of statistical analysis and manufacturing automation to control and continually improve process capability. Lead engineer for in-situ wafer measurement and control.
- Daily utilization of SAS/SQL programming and statistical knowledge to develop and implement automated analysis systems for CMP Process Engineering and Equipment Engineering teams.
- Trainer and educator of current Advanced Process Control system for Process, Development, Equipment and Manufacturing teams. Provides process module development expertise for new process realities within the CMP process area.

📑 RECENT PROJECTS

2020

Trusted 10 Survey tool
https://sportasresearch.com/trustedten/   📍 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 more effectively gather dynamic data 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.

CONTACT

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SKILLS

Languages: R/RStudio, SQL, Git, SAS/Enterprise Guide, MS Office, Basics of Python, JIRA

Applications: SSMS, Shiny, Tableau, PowerBI, JMP, Minitab, NICE IEX Workflow Management

Methodologies: Time Series Forecasting, Optimization, Automated Reporting, Metric/KPI development, Lean + Six Sigma manufacturing principles, Agile Development

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

2020

Rebuilt CDC's Social Vulnerability Index

https://github.com/phildwalker/gso_data

📍 Greensboro, NC

• In an effort to develop a more local geospatial analysis of Greensboro, I researched CDC's methology for developing their Social Vulnerability Index and rebuilt it using the American Community Servey.

2020

Process Mining 101, an live online book

https://process-mapping-101.netlify.app

📍 Greensboro, NC

• Currently writing a digital book to provide a gentle introduction to process mining as a note taking tool to capture what I have been learning during a Coursera class.

• The book is open source and developed in the open via version control software, representing a live work in progress. It is updated periodically as I learn more about the topic or develop a deeper understanding of the topic.

2020

Deployed personal R package on github

https://github.com/phildwalker/pdwtheme

📍 Greensboro, NC

• Developed a personal R package to help produce a consistent theme across my personal development activities. This project serves as a potential framework for a corporate styling package to help unify the presentations of analytics team members.

2019
|
2017

Merit Bonus Optimization

Jackson National Life

📍 Lansing, MI

• Worked directly with department leadership and the Senior Vice President to model associate performance and characterize the value of an associate's role to calculate merit and bonus for Operations. Deployed interactive tool to capture manager feedback and approvals, saving multiple weeks of management time and calibration efforts. Carefully handled sensitive data (PII) through pseudonymization. Worked closely with HR Compensation team to meet all legal and internal considerations.

2019
|
2016

Organizer, Winter ELUFA activities

📍 Lansing, MI

• 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 group leader