BRANDON M. SHELTON

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SUMMARY

Proven senior leader of actionable healthcare analytics, managing the strategy, development, and deployment of data science and business intelligence solutions for the country's largest publicly operated Medicaid health plan, serving over 2.5 million members.

EXPERIENCE

L.A. CARE HEALTH PLAN – Los Angeles, California   **2016-Present**

Senior Director, Advanced Analytics Lab, 2019-Present

Currently leading an enterprise analytics team of 22 professionals, including full-stack data scientists, data analysts, and analytic portfolio managers who consult with internal domain partners such as Population Health Management, Quality Improvement, Provider Networking, Claims Payments, and Finance to deliver data insights that guide the organization's most strategic decisions. Sets the analytics strategy, enforces analytics development polices, and manages technology vendors. Reporting to the Chief Operations Officer and directly engaged with the Chief Medical Officer, Chief Financial Officer, and Chief of Provider Networks.

- Transform, consolidate, and analyze metrics across member experience, quality improvement, and utilization to identify performance improvement opportunities within the L.A. Care provider network. Using Tableau, SQL, Python.
- Built and continuously enhance a suite of analytics that identifies more than $20M a year in incremental claims recoveries and preventative savings in collaboration with L.A. Care's Payment Integrity and Special Investigations Units. Using SQL, Tableau, Python, Spark.
- Driving L.A. Care's position on multiple, large-scale hospital settlement negotiations through provider dispute and sampling analytics, saving L.A. Care millions of dollars in dispute payments and litigation fees. Using SQL, R.
- Study and inform on the impacts of proposed hospital contract changes during network negotiations, allowing L.A. Care to more effectively negotiate and reduce spend by tens of millions of dollars per year. Using SQL, R, Spark.
- Developed, deployed, and monitor multiple machine learning models that drive member triaging, including an explainable 30-day hospital readmission risk model, a model that scores the likelihood of applicable members to close their Adults' Access to Preventative/Ambulatory Health Services (AAP) measure, and a model that predicted hospitalization due to COVID-19. Using Python and Spark.
- Run Causal Inference analysis and Randomized Control Trials to assess the impact of specific interventions. Used to guide intervention and program decisions. Using Python, R, Spark.
- Created, continuously enhancing, and maintaining an analytics data-abstraction layer, as well as a Python library that consistently defines member demographics, member eligibility history, provider authorizations, and utilization features used in a majority of the team's analytic workload. Using Python and Spark.

Director, Data Science Innovation, 2016-2019

Founded the Data Science program at L.A. Care, enhancing the enterprise's decision making through the practical application of machine learning; gained executive buy-in, procured and deployed the data science technology stack, and hired the entire initial team.

- Deployed a predictive model that identifies and alerts on inappropriate hospital billing practices, resulting in an intervention with a specific hospital system to reduce their annual medical payments by more than $3M.
- Transformed the approach of L.A. Care's provider fraud identification by leveraging unsupervised machine learning models to uncover new patterns of suspicious activity in provider payments, surfacing over $8M under provider fraud investigation.
- Performed observational studies to quantify the impact of member engagement initiatives.

OPTUM – Eden Prairie, Minnesota   **2013-2016**

Associate Director of Business Insights, Payment Integrity, 2014-2016
- Managed the analysis of over $100M of Payment Integrity savings for the organization's largest client.
- Led the technical development of the department's data analysts
- Acted as the client-facing subject matter expert for Payment Integrity savings logic.
- Led the development project of new operational reporting and analysis capabilities.

Business Analysis Consultant, Payment Integrity, 2013-2014
- Managed the reporting process and analysis of over $450M in annualized savings.
- Improved the pre-pay gross savings forecast's Mean Absolute Percentage Error by 20%, allowing leadership to more accurately assess target expectations.

INTEGRITY HOME HEALTH CARE – Ocala, FL   **2009-2013**

Director of Marketing
- Led a team to generate $2.5M in annual revenue.
- Improved overall patient census by 10% through referral source diversification.

AWARDS

- Golden Eagle Award, Los Angeles County Productivity and Quality Awards, 2021
- Optum Super Hero Award, 2014

EDUCATION

- Certificate of Excellence in Analytics Leadership, Chief Analytics Officer Program, UC Berkeley, 2023
- Master of Business Administration, University of Central Florida, 2013
- BS - Business, University of Central Florida, 2007