

SHAWN C. ALBERT

DATA SCIENTIST

Profile

I deliver data-driven solutions in healthcare through a development process centered on stakeholder engagement to deliver value. I am passionate about tackling difficult problems in healthcare where advanced analytics and machine learning are honed to enable cogent storytelling and data-driven strategy.

Education

The University of Chicago Booth School of Business
Master of Business Administration - MBA **2017 - 2020**

The University of Chicago
Master of Science - MS, Computer Science **2017 - 2020**

Vanderbilt University
Bachelor of Arts - BA, Molecular and Cellular Biology |
Medicine, Health & Society **2012 - 2016**

Technical

Python	SQL	Tableau
Azure	PySpark	Hadoop
Teradata	Unix Shell	R

Projects

Health Data Exchange

Developed a pipeline that has enabled the consumption of data from Electronic Health Records through development of a data extraction process in PySpark within a Hadoop environment, enriching data science models originally developed on claims-based datasets with semi-structured clinical data.

Provider Cost & Quality Metrics

Develop and maintain an in-production provider cost efficiency metric that is used by both internal and external stakeholders. This cost efficiency metric employs gradient boosting to incorporate 500+ variables to risk adjust down to the patient-episode level, having demonstrated over a 30% improvement in cost estimation capabilities.

Experience

Blue Cross Blue Shield of IL, MT, NM, OK & TX

Data Scientist

Jan 2018 - Present

Use data analysis, machine learning, predictive modeling, statistics, and visualization techniques to derive actionable insights. Partner with senior medical directors and business development teams to leverage domain expertise and develop data-based solutions attuned to stakeholder needs. Present and explain technical findings to non-technical audiences to promote data-driven decision making.

University of Chicago Medicine

Research Assistant

May 2017 - Jan 2018

Used big data bioinformatics methods to conduct inherited cancer genetics and epigenetics research.

AmeriCorps VISTA

Information Systems Associate

Aug 2016 - May 2017

Facilitated the transition to a cloud-based database and developed automated report generation and data intake capabilities through SQL stored procedures, reducing Community Shares of Colorado's need for manual data entry processes by hundreds of hours.