SHAWN C. ALBERT
DATA SCIENTIST

Profile

I deliver data-driven solutions in healthcare through a development process centered on stakeholder engagement. I am passionate about tackling challenging 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
Strategic Management | Entrepreneurship

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 and Society

2012 - 2016

Technical

Azure	Python	SQL
Hadoop	R	Tableau
PySpark	Scala	Unix

Projects

Health Data Exchange
Develop and maintain a PySpark pipeline that enables consumption of data from Electronic Health Records (EHR) stored in Hadoop. Enriches data science models originally developed through structured claims-based datasets with unstructured clinical data.

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

shawn.c.albert@gmail.com — www.linkedin.com/in/shawnalbert

Experience

Blue Cross Blue Shield of IL, MT, NM, OK & TX
Data Scientist   **2018 - 2020**

Employ 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   **2017 - 2018**

Conducted inherited cancer genetics and epigenetics research using bioinformatics-centered methods.

AmeriCorps VISTA
Information Systems Associate   **2016 - 2017**

Facilitated transition to a cloud-based database and developed automated report generation and data intake capabilities through SQL stored procedures, significantly reducing Community Shares of Colorado's dependence on manual data entry.

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