

# SHAWN C. ALBERT

## DATA SCIENTIST

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### 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 enable cogent storytelling and data-driven strategy.

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### Education

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| <b>The University of Chicago Booth School of Business</b><br>Master of Business Administration - MBA<br>Strategic Management   Entrepreneurship | <b>2017 - 2020</b> |
| <b>The University of Chicago</b><br>Master of Science - MS, Computer Science  | <b>2017 - 2020</b> |
| <b>Vanderbilt University</b><br>Bachelor of Arts - BA<br>Molecular and Cellular Biology   Medicine, Health and Society                          | <b>2012 - 2016</b> |

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### Technical

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|---------|--------|---------|
| Azure   | Python | SQL     |
| Hadoop  | R      | Tableau |
| PySpark | Scala  | Unix    |

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### 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.

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## Experience

### CVS Health

#### Data Scientist

**2020 - 2021**

Use data science and principles of behavioral economics to design Next Best Action campaigns for members living with complex chronic conditions. Campaigns are designed with input from stakeholders across the health care industry to improve quality of life and health outcomes in our member population.

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

#### Data Scientist

**2018 - 2020**

Employed data analysis, machine learning, predictive modeling, statistics, and visualization techniques to derive actionable insights. Partnered 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.