

Ryan Blanchette

Data Professional



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(615)943-6643

EXPERIENCE

ASURION | SR. BUSINESS INTELLIGENCE DEVELOPER

August 2021 – Current | Nashville, Tennessee

- Developed and deployed new tables and stored procedures into production that enhanced the supply chain data model
- Furthered the effort to convert the supply chain data model entities from on-premises data storage to cloud-based storage
- Served the needs of customers across the finance/supply chain organization by creating and updating various tables, stored procedures, and reports

UNIVERSITY OF TENNESSEE | DATA ANALYST

September 2019 – August 2021 | Knoxville, Tennessee

- Collected and cleaned data from various sources to submit to critical surveys for the continuing success of the engineering college
- Fostered the movement from manual data processes and reports from Excel to Microsoft SQL Server, R, and Power BI
- Designed and implemented Power BI dashboards for the engineering college leadership
- Built visualizations and reports for senior leadership to effectively demonstrate strengths of the college
- Collaborated with other data owners across the university to answer ongoing and ad hoc data needs

JEWELRY TELEVISION | DATA ANALYST

August 2018 – September 2019 | Knoxville, Tennessee

- Led the Analytics team in learning about and adopting big data technologies such as Hive and Spark which produced greater opportunity and increased speed of existing solutions
- Successfully converted production models originally built in R into PySpark code
- Standardized the methodology used to identify potential churn customers with machine learning in R to analyze customer purchase history and produce risk scores with nearly 90% model accuracy
- Maintained reports on the effectiveness of various marketing campaigns with various tools in R which helped guide future campaigns
- Engaged executive-level management to discuss goals that could be met with data and analytics

UNITEDHEALTH GROUP | HEALTHCARE ECONOMICS CONSULTANT

December 2016 – August 2018 | Remote

- Developed analytics using SAS that identified medical claims as either fraud, waste, or abuse which resulted in thousands of dollars in savings
- Supported in the development of a healthcare provider exploration tool with Tableau
- Explored vendor claims data using machine learning in R and SAS Enterprise Miner in order to aid the creation of new analytics

SKILLS

PROGRAMMING/TOOLS

Proficient:

Python • SQL • R • Excel

Experienced:

Tableau • Power Platform • Linux

Familiar:

AWS • HTML • Databricks

LIBRARIES/Frameworks

Tidyverse • Caret •
randomForest • Shiny •
Plotly • Keras • PySpark •
BeautifulSoup • Git

TECHNICAL

Machine Learning • Statistics
Time Series Forecasting •
NLP • Data Visualization • ETL
Query Optimization •
Cloud Computing

EDUCATION

UNIVERSITY OF TENNESSEE

MASTER'S IN BUSINESS ANALYTICS

December 2016 | Knoxville, Tennessee

Haslam College of Business

GPA: 3.80 / 4.00

UNIVERSITY OF TENNESSEE

BACHELOR'S IN STATISTICS

May 2015 | Knoxville, Tennessee

College of Arts and Sciences

GPA: 3.75 / 4.00

CERTIFICATIONS

AMAZON WEB SERVICES

CLOUD PRACTITIONER

December 2021

EXPERIENCE (CONT.)

UNIVERSITY OF TENNESSEE | GRADUATE TEACHING ASSISTANT

August 2015 – May 2016 | Knoxville, Tennessee

- Guided senior undergraduate students in statistics through emails, office hours, and study sessions
- Graded homework, projects, and exams
- Experimented with different statistical packages to help modernize the courses

UNIVERSITY OF TENNESSEE | MATHEMATICS TUTOR

January 2014 – May 2015 | Knoxville, Tennessee

- Coached mathematics students through different methods such as examples and homework help with led to a stronger student understanding of the materials
- Communicated with supervisor about ways to improve the tutorial center; a new and improved tutor schedule was created

PUBLICATIONS

Blanchette, R., A. Khojandi, D. Cox, M. Oliver, R. Fernandez. Predicting Alzheimer's Disease Using Driving Simulator Data. In 2020 42nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2020, pp. 5432-5435. IEEE.