



# Malik Harvey

## Applied AI Engineer

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### SUMMARY

Experienced Applied AI Engineer with over eight years in clinical informatics and data analysis. Strong expertise in developing healthcare-related AI applications, particularly using advanced machine learning methods to extract insights from extensive clinical datasets. Proven ability to collaborate effectively across interdisciplinary teams, resulting in successful research initiatives aimed at improving patient outcomes. Adept at transforming complex clinical trial information into actionable recommendations that enhance treatment strategies. Seeking to leverage these skills at HealthTech Innovations, contributing significantly to innovative healthcare solutions.

### STRENGTHS

- Analytical Mindset**  
Consistently sought after for complex problem-solving, turning challenging questions into streamlined solutions.
- Collaborative Spirit**  
Teams often depend on my input for insights on project direction; creating synergy fosters success.
- Technical Proficiency**  
Adept in Python, R, and SQL boasts hands-on experience; peers rely on my guidance in tech challenges.
- Detail-Oriented Approach**  
Friends call me detail-focused; diligent checks and validations bolster confidence in outputs.
- Results-Driven Focus**  
Colleagues regularly commend me on delivering substantial impacts on research outcomes; we celebrate successes in meetings.

### SKILLS

AI & Machine Learning Python R  
 SQL Data Analysis  
 Clinical Trial Research  
 Biostatistics NLP  
 Cloud Computing  
 Data Management Model Building  
 Statistical Analysis  
 Data Visualization

### EXPERIENCE

#### Applied AI Engineer

Data Solutions Inc. January 2021 - Present Austin, TX

Focused on enhancing clinical trial data analysis through AI tools and methodologies. Developed systems that support the accessibility and understanding of key insights beneficial for healthcare outcomes. Collaborated closely with multidisciplinary teams to validate techniques and improve overall efficiency in treatment plan optimization.

- Created AI-driven applications for natural language processing to analyze patient data.
- Developed pipelines for clinical trial datasets that empowered secondary research.
- Collaboratively designed models utilizing combined clinical features for dynamic treatment strategies.
- Ensured compliance with HIPAA and GDPR principles within all analytical processes.

#### Senior Data Scientist

Health Analytics Group June 2018 - December 2020 Houston, TX

Engaged in the design and implementation of machine learning models for improved clinical trial evaluations. Led efforts in extracting valuable insights from biobank data, aiming to influence treatment approaches positively.

- Built unsupervised learning frameworks to identify patient archetypes from diverse datasets.
- Utilized NLP techniques to derive useful information from clinical narratives.
- Oversaw regulatory compliance to ensure high standards in data handling.
- Contributed to pioneering healthcare projects aimed at augmenting data visibility.

#### Data Analyst

Clinical Research Associates August 2015 - May 2018 Fort Worth, TX

Assisted extensively in analyzing clinical trial results. Worked alongside research teams, helping interpret findings to drive improvements in treatment quality.

- Cooperated with stakeholders to portray complex clinical data through visualizations.
- Conducted deep reviews of adverse event reports to maintain a robust dataset.
- Implemented detailed analytics workflows aiding timely decision-making.
- Facilitated cross-disciplinary partnerships leading to project success.

### LEADERSHIP & AWARDS

- Recipient of the Clinical Data Innovation Award in 2022 for excellence in data management practices.
- Recognized as Employee of the Month at Data Solutions Inc. for exceptional project delivery in January 2023.

### EDUCATION

#### Master's Degree in Biomedical Informatics

University of Texas at Austin GPA: 3.8 2015 Austin, TX

**Coursework:** Clinical Data Analysis, Machine Learning, Data Management, Bioinformatics

Regulatory Compliance

Database Design

Patient Outcome Optimization

## LANGUAGES

English Native

Spanish Intermediate

## MY CAREER



- Applied AI Engineer at Data Solutions Inc. (5.4 Years)
- Senior Data Scientist at Health Analytics Group (2.5 Years)
- Data Analyst at Clinical Research Associates (2.8 Years)

## CERTIFICATIONS

- Certified Clinical Data Manager (CCDM) 📅 2021
- AWS Certified Machine Learning – Specialty 📅 2022

## TECHNICAL SKILLS

- **Machine Learning Techniques:** Unsupervised Learning, Supervised Learning, Reinforcement Learning
- **Programming Languages:** Python, R
- **Database Management Systems:** SQL Server, Oracle DB
- **Data Visualization Tools:** Tableau, Matplotlib, Seaborn
- **Cloud Platforms:** AWS, Google Cloud, Azure
- **Data Analysis Libraries:** Pandas, NumPy, Scikit-learn
- **Natural Language Processing:** NLTK, SpaCy
- **Data Governance Standards:** HIPAA, GDPR
- **Statistical Software:** SAS, MATLAB
- **Project Management Tools:** Trello, JIRA, Asana

## PROFESSIONAL AFFILIATIONS

- Active member of the American Medical Informatics Association, contributing to national conference discussions.
- Volunteer mentor for local high school students interested in STEM careers through College Forward.

## ADDITIONAL INFORMATION

**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

AVAILABLE ON REQUEST