

# Westley Harris

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## EDUCATION

**Texas Christian University**

Fort Worth, TX

*Bachelor of Science in Data Science*

May 2024

- **Courses:** Classical AI, Deep Learning, Data Mining, ML, Predictive Modeling, Techniques in Programming, Linear Algebra, Data Science, Statistics, Probability, Discrete Math II, Data Structure, Database Management Systems, Web Tech, Analysis of Algorithms, Software Engineering

## ACADEMIC & PERSONAL PROJECTS

**Data Science, TCU**

08/2021 – 05/2024

- AI-Powered Patent Analysis Platform with Large Language Model
  - Analyzes patent and predict specific classification and generates response to correct patent before sending the patent to the USPTO saving user time and money.
- Predictive Maintenance Dashboard
- Motor Plate Survey tool using GPT api

## PROFESSIONAL EXPERIENCE

**Industry Maintenance Engineering**

Fort Worth

*Predictive Data Analyst/ Specialist, full-time*

11/2020 – 07/2024

- Data Analysis & Machine Health Monitoring: Routinely collected and analyzed data from machine sensors to assess health and operational status. Utilized statistical tools to interpret complex datasets, enhancing predictive accuracy.
- Reporting & Visualization: Created detailed reports and visualizations using Microsoft Excel to communicate findings to stakeholders, contributing to strategic planning and preventive maintenance schedules.
- Predictive Maintenance Strategy: Designed and implemented predictive maintenance strategies that optimized machine performance and extended equipment lifespan.
- Continuous Improvement: Conducted regular reviews of maintenance processes and predictive models, identifying areas for improvement and implementing enhancements to increase efficiency and reliability.
- Technical Documentation: Developed comprehensive documentation for predictive models, data analysis procedures, and maintenance strategies to support knowledge sharing and training within the organization.
- Provided Insights on asset health and used predictive technologies (ultrasound, vibration, thermography, etc.) to predict failures in machines for industrial manufacturing facilities.

**Jon Don/Los Hermanos**

Garland

*Warehouse Assoc/Server, full-time*

2018-2020

**Landscaping**

Forney

*Landscaper, part-time*

2015-2018

## ADDITIONAL INFORMATION

*Technical Skills:* SQL, Python, Excel, Tableau, R, Java, Pytorch, TensorFlow, Hadoop, Spark, MongoDB, CSS, Javascript, HTML, Typescript, Linux

- *Certifications:* Google: Data Analytics, SDT: Level One Ultrasound, Infraspect: Level One Thermography, Tableau: Coursera