

DATA SCIENTIST, ARTIFICIAL INTELLIGENCE/MACHINE LEARNING PRACTICE LEAD - AUSTIN KELLER

PROFESSIONAL OVERVIEW

- Data scientist with nearly a decade of experience analyzing data and identifying trends in tech, manufacturing, and healthcare

EDUCATION

- M.S. Computational Analytics, **Georgia Institute of Technology**
- B.S. Chemical Engineering, **Texas A&M University**

SKILLS

- Python (Pandas, Numpy, Plotly, Scikit, Django), Machine Learning, Problem Solving, Adaptability

CERTIFICATIONS

- IBM Applied AI Certificate

RELEVANT EXPERIENCE

Data Scientist, AI/ML Practice Lead, IntelliDyne, 03/2022–Present

- Developed web application for implementing AI and automation aboard US Navy vessels
 - Anticipated savings of 4,600 man-hours per year per ship
 - Developed dashboards for analysis of underlying data
 - Identified core components to install a scaled down version 5 months ahead of originally scheduled completion
- Finalist in the grant funded Mission Daybreak competition sponsored by the VA to reduce Veteran suicide
 - Design was selected as one of 30 finalists from a field of over 1,300 submissions
 - Utilized machine learning techniques to prioritize at risk veterans for outreach by call or chat centers

Decision Support Data Analyst, University of Mississippi Medical Center, 06/2020–Present

- Identified victims of child abuse using analytics and machine learning models
- Implemented spectral clustering to identify child abuse clusters within communities
- Created queries for healthcare workers to triage daily Child Protective Services reports
- Developed D3 (JavaScript) front end with Django (Python) back-end dashboard for MDCPS data

Quality Engineer, Continental Tire, 02/2019–03/2021

- Developed Python-based x-ray analysis and data scraping tool to visualize data from thousands of tires
- Overlaid equipment touch points on 2D plot of defects to identify patterns
- Created PowerBI dashboard with interactive matplotlib graphics to ease use by engineers and management
- Served as team lead for engineers with three direct reports

Quality Supervisor, Nissan North America, 09/2017–02/2019

- Responsible for audit compliance and defect reduction within the paint department
- Trained other employees on data driven problem solving
- Ten direct reports distributed across the plant performing defect analysis

Process Engineer, Nissan North America, 06/2015-09/2017

- Created model on paint use that identified >95% of waste
- Simulations reduced annual paint use by \$4 million in 2017
- Achieved top cost savings in 2017 among Nissan plants globally

Process Engineer, Samsung Austin Semiconductor, 05/2013-05/2015

- Implemented support vector machine to model the root cause of top defect
- Eliminated \$2 million in annual scrap with process modification
- Automated system for statistical analysis of new tools

AWARDS

IntelliDyne CEO Award 2022

- Highest award within IntelliDyne presented to the employee with the best overall contribution during the year