

# DONALD K. WEDDING, PHD

CLEVELAND, OH  
HOME: 440-236-4221  
CELL: 234-380-7223  
DWEDDING@ACM.ORG

## SKILL SETS

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### LANGUAGES / TOOLS

- Python
- SAS
- R
- Tableau
- Data Robot
- Amazon Web Services (AWS)

### TECHNIQUES

- Statistics and Regression
- Machine Learning / AI
- Clustering / Segmentation
- Time Series
- Natural Language Processing
- Converting SAS to Python

## CLIENTS

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### BANKING / INSURANCE

- NYCB
- Toyota
- USAA
- Quadax
- Alkami/Segmint
- WEEL
- Behalf

### HEALTH CARE

- AiZ Tech
- CVS / Aetna
- Convatec
- Artrya
- Behavr
- Next Level Health

### RETAIL

- Federal Express
- Full Beauty Brands
- Bridgestone Tires
- QIMA / WQS

### ECONOMIC

- Mitrtech

### MANUFACTURING

- Terzo Power

### ENTERTAINMENT

- Atlas Distribution

## CURRENT PROJECTS

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### **NYCB**

#### **CECL / Stress Testing**

**2024 – PRESENT**

Ad Hoc models for in CECL and Stress Testing in SAS and R.

### **MITRATECH**

#### **LEGAL EXPENSES**

**2023 – PRESENT**

Calculated cost increases and inflation for legal bills over various industries in each state.

### **AiZ Tech**

#### **Clinical Data Analysis**

**2023 – PRESENT**

Analysis of data to determine the efficacy of AI tool to diagnose Covid and Viruses using cell phone images of human eye.

## COMPLETED PROJECTS

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### **CLEVELAND ANALYTICS**

#### **EXPERT WITNESS - SECURITIES**

**2023**

Converted R code into Python code for use in Expert Witness analysis in securities fraud.

### **AMSIVE**

#### **DATA SCIENCE CONSULTING**

**2023**

Update SAS models for various customers. Convert SAS Code into Python using PySpark.

### **ALKAMI / SEGMINT**

#### **BANKING**

**2022 – 2023**

- Developed models for FinTec startup using Python incorporating corporation's proprietary Key Lifestyle Indicators (KLI). Models determined churn and lifetime value. Derived method for creating custom KLI's.
- Automated AI platform to develop predictive models using KLI indicator data.

**QUADAX**  
**HEALTH INSURANCE**  
**2021 – 2023**

Predictive models for health insurance claims processing startup company using Python. Determined probability that health insurance claims will be paid. Calculated reimbursement amounts and likely reason codes for rejection. Assisted in vetting analytic talent for Data Science positions. Mentored new Data Scientists in best practices in model development.

**AIOI / TOYOTA**  
**AUTO INSURANCE**  
**2022 - 2023**

Predictive Models to determine driving risk. Utilized AWS and Python to assess risk from telematics driving data.

**ARTRYA, AUSTRALIAN BASED CARDIAC DIAGNOSIS COMPANY**  
**HEALTH CARE**  
**2022 - 2023**

System to diagnose heart disease from data obtained from calcium heart screenings.

**CVS/AETNA**  
**HEALTH CARE AND INSURANCE**  
**2022**

Staff augmentation for general ad hoc analytics of mental health claims data.

**FULL BEAUTY BRANDS**  
**CLOTHING RETAIL**  
**2022**

Customer retention and response model development for all retail lines. Models developed in SAS and Python.

**TERZO POWER**  
**INDUSTRIAL ANALYTICS**  
**2022**

Analysis of sensor data from motors and pumps to forecast device failure. Project utilized Python and time series sensor data.

**BEHAVR**  
**HEALTH CARE VIRTUAL REALITY**  
**2021 – 2021**

Developed models in Python for virtual reality health care company. Determined probability of customer churn. Assisted in vetting analytic talent for Data Science positions. Mentored new Data Scientists in best practices in model development.

**CONVATEC ,UNITED KINGDOM BASED WOUND CARE)**

**HEALTH CARE**

**2021-2022**

Statistical Analysis using SAS for medical study data related to wound care and infections.  
Developed deep learning neural network to diagnose melanoma from images.

**WEEL, Israel Based FinTec Startup Company**

**Credit Risk Scores**

**2021**

Predictive models in Python for FinTec company to determine credit risk of Brazilian based companies.

**MAGELLAN**

**HEALTH INSURANCE CLAIMS**

**2021**

General Analytics of Insurance Data

**USAA**

**INSURANCE AND BANKING**

**2021**

Updated SAS Code for financial stress testing analytics.

**QIMA/WQS, Brazil Based Grocery Company**

**Grocery Retail**

**2020**

Developed customer segments for WQS using purchasing behavior of Recenct, Frequent, and Money (RFM). Segments identified highly profitable segments and identified behavior consistent with customer churn.

**FEDERAL EXPRESS**

**SHIPPING AND TRANSPORTATION**

**2019 – 2021**

Time Series models using SAS programming language and *SAS Forecast Server* to predict daily package pickups, expected delivery time, and net yield per package.

**BEHALF, Israel Based Credit Company**

**Credit Provider**

**2015 - 2016**

Predictive models to determine credit risk and fraudulent transactions. Reviewed current models and mentored junior level analysts in proper analytic model development.

**BRIDGESTONE TIRES**  
**RETAIL AUTOMOTIVE**  
**2015 - 2016**

Customer segmentation / clustering model for use in assessing customer lifetime value, cross sell, and churn models.

**ATLAS DISTRIBUTION COMPANY**  
**MOTION PICTURE PRODUCER**  
**2014**

Developed distribution plan for movie, *Atlas Shrugged III – Who Is John Galt?* Analyzed box office receipts of related movies. Identified patterns consistent with high levels of viewers. Analysis was used to determine theater release locations.

**NEXTLEVEL HEALTH ADVISORS**  
**HEALTH CARE**  
**2014**

Converted mathematical formulas and EXCEL based programs into SAS programs for use in automated scoring of large claims database.