

Bogdan Tesileanu

Hollywood, FL 33021 • (954) 701-1740 • btesileanu@gmail.com

LinkedIn: linkedin.com/in/tesileanu **GitHub:** tesileanu.github.io

Motivated data scientist with 5 years of experience in private and public sectors. Self-motivated to leverage and align accumulated experience in education and data science to improve performance and output. Focused on increasing desired performance metrics while providing relevant insight to corporate teams

SPECIAL SKILLS

Languages & Apps: Python, SQL, R, Java, SPSS, Tableau, MATLAB, Microsoft Office Suite

Machine Learning: Regression (Linear, Polynomial, Logistic, SVR), Classification (KNN, SVM, Naive Bayes, XGBoost)

Other Skills: K-means clustering, PCA, numpy, pandas, scikit-learn, matplotlib, seaborn, TensorFlow, Plotly

Non-technical: Storytelling, communication, teamwork, problem-solving, interpersonal skills, critical/creative thinking

Spoken languages: English fluent, Romanian fluent, Functional Spanish proficiency

EXPERIENCE

Special Education Teacher
KESHER LD

February 2018 – Present
North Miami Beach, FL

- Taught math, science, conflict resolution, people development, and collaboration to students with learning disabilities
- Increased assessment scores by 12% in a 6-month period by analyzing behavior and test data year-over-year
- Executed behavior analysis projects with over 800 daily data points to maintain proper social and emotional behavior and test different reinforcement strategies
- Delivered analysis of over 100 students in 5 different academic domains to assess validity of student class scores and discover learning gaps

Data Analytics Intern
UF SHANDS HOSPITAL

August 2013 – August 2016
Gainesville, FL

- Collaborated in grant-funded research to discover trends between treatment options and pain levels in over 400 patients
- Collected, entered, cleaned, and validated over 2000 patient data points while following privacy rules and HIPPA guidelines
- Formulated statistical analyses and data visualizations to produce insights and communicated findings to stakeholders

Data Entry Assistant
UNIVERSITY OF FLORIDA

May 2014 – August 2016
Gainesville, FL

- Entered data with speed (60 WPM) and accuracy into company systems, including MS Office, spreadsheets, and databases
- Paid attention to details to identify discrepancies and errors and conducted research to resolve discrepancies
- Maintained accurate records by initiating data integrity checks, correcting errors, and eliminating duplicate records

Lab Assistant
BROWARD COLLEGE

May 2012 – August 2013
Davie, FL

- Supervised groups of 50 foreign language students in a computer lab to ensure a productive learning environment
 - Introduced students to computer-based learning, troubleshooted software problems, and enforced proper use computers
 - Tracked adult learner language skills progression through computer software, formative assessments, and oral assignments
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PROJECTS

Self Health: Personal venture using wearable data to analyze effects of sleep on blood glucose and vice-versa

Fuel Efficiency Model: Predicted car mpg using EDA, bootstrap techniques, linear regression, residuals, and Bayesian statistics

Abalone Shell Model: Predicted shell age from various shell attributes and dimensions using ETL, EDA, correlations, heatmaps

Special Education Student Management System: Created database to track student data using ERD, triggers, joins, and subqueries

EDUCATION

Johns Hopkins University
MS Data Science - August 2022

University of South Florida
Post-Bacc Medical Biochemistry - 2017

University of Florida
BS Biochemistry - 2016