# LEONARDO ALDARONDO, OD
## Data Scientist

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## Summary

High performance, analytical thinker and results oriented Data Scientist with a Doctorate degree and 10+ years of diversified experience in Data Analytics and Quality Assurance with high business acumen. Team-oriented individual with strengths in leadership, analytical problem solving and collaboration across diverse groups that would serve well in a Data-driven environment. Passionate about data mining to uncover potential business solutions. Recently earned a certificate in Data Analytics and Visualization from the University of Central Florida.

## Technical Skills

**Programming Language:** Python, Pandas, R, JavaScript, HTML, CSS, JSON, Leaflet, GeoJSON, VBA
**Databases:** SQL and NoSQL databases,  PostgreSQL, MongoDB
**IDE:** RStudio, VS Code, Jupyter Notebook, JupyterLab, Google Colab
**Visualization**: Tableau, Matplotlib, Seaborn, GG Plot, Plotly, D3.js, Power BI,  API's  and web visualization
**Big Data:** AWS, Azure, Hadoop, Spark, Cloud computing
**Machine Learning:** Random Forests, k-Nearest Neighbors (kNN), Support Vector Machines (SVM), Logistic Regression, Deep Learning, Dimensionality Reduction, Scikit-learn, Tensorflow Keras, NLP, SAS

## Relevant Experience

### Freelance Data Scientist                                                           2022 - Present
**Independent Contractor**                                                                          Orlando, FL
- Analyzed non-conformance data from manufacturing process. Used Python to perform in-depth analysis and build machine learning models to forecast outcomes and provide recommendations.
- Executed the data analysis for clinical research projects related to ocular diseases. Used R, Python to perform statistical analysis and Tableau to visualize the data.

### Business Analyst (BI)                                                                   2021 - 2022
**GoCheck Kids (Contract)**                                                                        Orlando, FL
- Served as subject matter expert and led training sessions on software application and user interface. Monitored all metrics (daily, weekly, and monthly) to identify potential issues and trends.
- Managed the image review program that utilized supervised and unsupervised machine learning to screen for visual disorders.
- Reduced project budget by 35% by implementing in-house statistical analysis using R, Python and Pandas libraries.
- Contributed proactively utilizing background in optometry to update the flag system used to train the machine learning algorithm, improving the image review process by 20%.
- Executed exploratory analysis to design and conduct research studies, feasibility and longitudinal studies, including the data collection, mining,  analysis, and visualization.

## Clinical Research Analyst                    2016 - 2020
**Nemours Children Hospital**                    Orlando FL
- Led the execution of protocols and performed ocular examinations to investigate the safety, tolerability, and pharmacodynamics of new developmental drugs.
- Contributed to Lake Nona's site validation and certification as a clinical research site.
- Performed clinical studies and data analysis for several clinical studies including: Rainbowfish study, Firefish study.
- Served as subject matter expert coaching the ophthalmic tech team in ocular refraction.

## Quality Assurance Manager                    2012 - 2016
**Baxter Healthcare**                    Jayuya, PR
- Led cross-functional teams including QC Laboratories, CAPA System, Complaints Management, Adverse Events, Field Actions, Statistical Process Control, Supplier Quality and FDA and ISO Audits.
- Developed plans to mitigate risk decision making to minimize non-conformances and improve quality leveraging in data science.
- Utilized analytical and business expertise to develop key performance indicators (KPI) and presented to top management.
- Exemplified leadership skills during startup with no FDA observations in pre and post approval inspections.
- Contributed proactively in the reduction of 30% of process non-conformance by implementing statistical process control.

# Education

***Data Analytics and Visualization Certificate:*** *University of Central Florida, FL*
- *Program focused on technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.*

***Doctor's Degree, Optometry ,*** *Inter American University School of Optometry, PR*
- *Emphasis in Physics: wave optics, interference, diffraction, polarization, and other phenomena*

***Bachelor's Degree, Chemistry,*** *Inter American University of Puerto Rico,  PR*
- *Analytical and Industrial Chemistry*

# Certifications

- Microsoft Certified: Azure Data Scientist
- Diploma in Using Python for Data Science and Analytics
- Advanced Diploma in Data Science with R
- Diploma in MySQL and Statistics for Data Analysis
- CIW Web Design Associate
- CPC Professional Coder and Billing Certificate
- ASQ Quality Manager and Process Excellence Certificate

# Honors & awards

- Statistical Process Control: *Site Excellence Award*
- Project Management: *Leader of the Year*