**Oscar Rincón**

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**WORK EXPERIENCE**

**Publishing house of the Universidad de Antioquia Oct. 2019 – Present**

*Freelancer as LaTeX book designer  Medellín, Colombia*

**Skills:** LaTeX · Git · Adobe Illustrator

**Description:** Implement the characteristics required by the publisher's collection for scientific books.

**Universidad de Antioquia Oct. 2021 – Present**

*Occasional Professor Medellín, Colombia*

**Skills:** Excel · Tableu · PowerBI

* Lecturer in courses of Physics for the Biology Department.
* Project advisor for the Master’s Degree in Mathematical Teaching

**Universidad de Antioquia Oct. 2017 –Present**

*Research Assistant Medellín, Colombia*

* Mathematical modeling and data analysis applied in physiology using Python, R, MatLab and Excel

**Skills:** Python · MatLab · R

**EDUCATION**

**University of Antioquia Mar. 2021**

*MSc* *Physics Medellín, Colombia*

* Summa cum laude in master’s research work
* Honorable mention in Shizu and Yu Takeuchi awards

**EAFIT University Mar. 2015**

*BSc Physics Engineering Medellín, Colombia*

**PUBLICATIONS**

* [Milán, A. F., Rincón, O. A., Arango, L. B., Reutovich, A. A., Smith, G. L., Giraldo, M. A., Bou-Abdallah, F., and Calderón, J. C. (2021). Calibration of mammalian skeletal muscle Ca2+ transients recorded with the fast C2+ dye Mag-Fluo-4. Biochimica et Biophysica Acta (BBA) - General Subjects, 1865(9), 129939.](https://doi.org/10.1016/j.bbagen.2021.129939)
* [Rincón, O. A., Milán, A. F., Calderón, J. C., and Giraldo, M. A. (2021). Comprehensive Simulation of Ca2+ Transients in the Continuum of Mouse Skeletal Muscle Fiber Types. International Journal of Molecular Sciences, 22(22), 12378.](https://www.mdpi.com/1422-0067/22/22/12378)

**CERTIFICATIONS**

**IBM DevOps and Software Engineering Oct. 2023**

*Coursera, IBM Online*

**Skills:** Agile · Scrum · CI/CD · Git · Docker

**Software Architecture for Big Data Aug. 2023**

*Coursera, University of Colorado Boulder Online*

**Skills:** Real-time Systems · Big Data · Microservices · Software Engineering Practices · Distributed Computing

**Google Data Analytics Professional Certificate Jul. 2023**

*Coursera, Google Career Certificates Online*

**Skills:** Data Visualization (DataViz) · Spreadsheets · Metadata · Data Ethics · R Programming · R Markdown · RStudio · Tableau · Data Integrity · SQL

**Le Wagon Mar. 2023**

*Data Science London, UK*

10-week intensive course covering data analysis, machine learning, deep learning & data engineering

**Skills:** TensorFlow · BigQuery · SQL · Seaborn · Streamlit · Heroku · Scikit-Learn · Microsoft Visual Studio Code · Jupyter · Data Analysis · Statistics · Data Science

**Project:** Create synthesized medical reports so that data scientists can utilize the information to develop better visualizations and automatize processes from it. Then a classifier was implemented to evaluate the output and finally a proof of concept is performed by generating synthesized Endoscopic reports (see the project [website](https://nabillawrence-endogpt-websiteappmain-5v2wnl.streamlit.app/)).

**MIT Schwarzman College of Computing Nov. 2022**

*Great Learning - Data Science and Machine Learning: Making Data Driven Decisions Online*

12-week course covering network analytics, recommendation systems, graph neural networks & time series

**Skills:** Recommendation Systems · Networking & Graphical Models · Unstructured Data · Regression & Prediction · Classification & Hypothesis Testing · Predictive Analytics · Scikit-Learn

**Projects:**

* Application of different techniques to build recommendation systems such as Rank-based & Collaborative Filtering-based recommendation systems to recommend Movies to users (see the project [notebook](https://github.com/oandresrincon/RecommendationSystemsNetflix/blob/master/RecommendationSystems.ipynb)).
* Predict whether a passenger was satisfied or not considering his/her overall experience of traveling on the Shinkansen Bullet Train (see the project [notebook](https://github.com/oandresrincon/ShinkansenTravelExperience/blob/master/ShinkansenTravelExperience.ipynb)).

**Machine Learning Specialization Jan. 2023**

*Coursera Online*

**Skills:** Recommender Systems · Artificial Neural Networks · Linear Regression · Logistic Regression · Decision Trees

**SKILLS & INTERESTS**

* **Languages:** 
  + *Native speaker*
  + *English: B2*
* **Programming Languages:** Python, R, SQL
* **Software Tools:** MatLab, LaTeX, GitHub, Jupyter, Spyder, VScode, Docker, MLFlow, Google Cloud Platform, Dataiku, Pandas, Numpy, SciPy, SKLearn, Tensorflow, Keras
* **Interests:** football, read, travel

**REFERENCES**

* Prof. Marco Antonio Giraldo. PhD, *Director of master’s research work and coordinator of the Biophysics Group from the University of Antioquia. Email: mantonio.giraldo@udea.edu.co*
* Prof. Mauricio Muñoz. PhD, *Advisor in internship project for the biophotonics group of the University of Groningen. Email: m.munoz.arias@rug.nl*