**Rossie H. Jimenez**

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**LinkedIn:** <https://www.linkedin.com/in/rossie-jimenez/> **| GitHub:** <https://github.com/RossieJimenez>

**GitHub Page:** <https://rossiejimenez.github.io/>

# Summary

Data Analyst with a Certificate in Data Analytics and Visualization from the University of Central Florida. Familiar in Python, R, SQL, and web development. Skilled in Pandas, NumPy, Matplotlib, Tableau, and creating interactive web applications. Knowledgeable in developing machine learning models and conducting exploratory data analysis. Team-oriented and dedicated to leveraging programming expertise to drive innovative solutions.

**Skills**

**Programming Languages:** Python, R, HTML, CSS, SQL, VBA, JavaScript.

**Libraries/Technologies:** Pandas, NumPy, Matplotlib, Flask, SQLAlchemy, PostgreSQL, MongoDB, Jupyter Notebook, Bootstrap.

**Visualizations:** Tableau, D3.js, Leaflet.js.

**Machine Learning:** Keras, Sci-kit Learn, Supervised and Unsupervised Learning, Neural Networks, Tensor Flow.

# Projects

**Predicting House Prices**

https://github.com/RossieJimenez/House-Price-Prediction-Project

* Summary: Created a machine learning model and used Random Forest Regressor to predict house prices.
* Role: Data Cleaning, EDA, Machine learning model, and Web development.
* Tools: Python, Pandas, NumPy, Matplotlib, Sci-kit Learn, HTML, CSS, Flask, JavaScript.

**Exploring Endangered Languages**

https://github.com/RossieJimenez/Endangered-Languages-Project

* Summary: Collaboratively created an interactive map to highlight endangered languages using a Kaggle dataset.
* Role: Developed the front-end web application, incorporating interactive map features with pop-up details for each country, and performed minor exploratory data analysis (EDA).
* Tools: Python, HTML, CSS, JavaScript, Leaflet.js, D3.js, Matplotlib.

# Professional Experience

**University of Florida Department of Pharmacotherapy and Translational Research,** Orlando, FL

Laboratory Technician I – III

August 2018 – Present

**Key Accomplishments:**

* Collaborate with Principal Investigator Dr. Bulitta on various NIH-funded research projects to combat resistant bacteria.
* Utilized critical thinking and analytical skills to support PhD students and Postdocs as well as present findings and results to the team and Principal Investigator.
* Implemented laboratory protocols and maintained accurate data records. Developed novel data sets and contributed to significant research publications.
* Presented research findings at prominent conferences such as ASM Microbe and ECCMID.
* Co-authored a significant publication in Clinical Pharmacology & Therapeutics.

# Education

**R Programming (Course)**  
University of Florida, Gainesville FL  
May 2024 – August 2024

* Acquired foundational skills in installing R, managing data sets, and performing basic data preparation and exploration.
* Gained experience in using R for descriptive statistics, graphics, and normality tests.
* Learned to conduct elementary statistical analyses, including mean comparisons, ANOVA, correlations, regressions, and proportion comparisons.

**Data Analytics and Visualization Bootcamp (Certificate)**  
University of Central Florida, Orlando FL  
December 2023 – June 2024

* Developed proficiency in Python programming, including the use of libraries like NumPy, Pandas, and Matplotlib. As well as intermediate Excel functions, VBA scripting, and fundamental statistics.
* Gained experience with SQL and NoSQL databases, including PostgreSQL and MongoDB.
* Built front-end web and back-end visualizations using Flask, HTML, CSS, Bootstrap, and JavaScript charting libraries.
* Created dashboards and business intelligence solutions with Tableau.
* Explored advanced topics like machine learning.

**R for Life Science (Course)**  
University of Florida, Gainesville FL  
May 2023 – August 2023

* Learned RStudio navigation, R project creation, and the use of key R packages for Life Sciences.
* Developed skills in customized data visualizations, basic statistical analysis, and exploratory data analysis.
* Implemented best practices for data reproducibility, documentation, sharing, and biological data interpretation.

**Interdisciplinary Studies (BA)**  
University of Central Florida, Orlando FL  
August 2019 - August 2021

* Interdisciplinary curriculum with a concentration in Health Science and a minor in Cognitive Science.

Developed a broad understanding of complex issues through an integrated approach to health science and cognitive science.