email12345676@email.com | ($$$) $$$-$$$$ | www.linkedin.com/in/xxxxxxxxxxxxxxxxxxxxxx |
| xxxxxxxxxxxxxx.github.io |

FIRST LAST NAME

Trailblazing Mathematician & Data Specialist | Resilient, Tenacious, Creative | People-Centric Leader & Collaborator | Master of Statistics, Coding, & Data Storytelling

EDUCATION

State University — *PhD in Mathematics*

September 2020 - August 2024

Dissertation: “Dynamics of some Non-autonomous Difference Equations”

- Made novel and impactful contributions to the areas of dynamical systems and mathematical biology.

Same State University — *Bachelor of Science in Mathematics*

September 2020 - August 2024

Relevant Coursework: Statistical Modeling, Differential Equations, Linear Algebra, Programming in Python & MATLAB.

SKILLS

Programming Languages: Python (pandas, numpy, scipy, matplotlib, scikit-learn, statsmodels, Apache Kafka), MATLAB, SQL, Bash

Data Science Tools: SKLearn, Tableau, Jupyter, MLFlow, Docker

Mathematical Modeling: Dynamical systems, optimization algorithms, time series analysis

Other: Statistical analysis, experimental design, data wrangling, data visualization

PROFESSIONAL EXPERIENCE

Researcher — *Mathematics Department, State University*

September 2020 - September 2024

- Developed method of generalizing nearly any data driven mathematical model, improving accuracy and customizability of famous models used for scientific data.
- Demonstrated expertise in **data analysis**, **statistical modeling**, and **applications to real-world problems**.
- Contributed results necessary for the formation of the Darwinian evolution model in mathematical biology.
- Submitted results to relevant mathematics journals, shared research findings in international conferences such as the AMS

SELECTED PROJECTS

Real Time Sales Dashboard

- Built a pipeline using **Python** to simulate high-throughput sales data and integrated storage in **MySQL** via **Apache Kafka**. Created a **real-time dashboard** in **Tableau** to **livestream data**.

Time Series Model Based on Ricker’s Equation

- Created a custom **ARIMA model** using **Ricker’s equation**, improving forecasts on Yahoo Finance datasets.

Predictive Analytics for Performance Metrics

- Applied **machine learning** techniques, including **linear regression** and **random forests**, to predict football scores based on historical data.

See personal website for entire portfolio.

References available upon request.