

# Alexander Francesco Rosati

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Software Developer with a background in statistics and experience in Python, SQL, Excel, and JavaScript developed in University of North Carolina's Data Science Bootcamp. Excels at presentation and communication. Self-driven learner with a strong curiosity who quickly adapts to new systems. Detail-oriented thinker with strengths in editing and improving both code and writing.

## Experience

### **League of Machine Learning Project**, Team Lead & Developer, 2021

- Led a team of four in a group project to create a machine learning model for video game outcome prediction
- Analyzed & designed final outcome, assigned team members, managed deliverables, presented final project
- Used the Riot API to make predictions based on recent game data using the model
- Written in Python, JavaScript, and SQL, <https://github.com/bonem97/league-of-machine-learning>

### **Belly Button Biodiversity Project**, Developer, Remote, 2020

- Front-end User Interface development resulting in interactive visualization of microorganism data
- Presented raw data in graphical dashboard displaying molecule size with mouse over pop-up statistics
- Used the Plotly library to create a compelling bubble plot
- Written in JavaScript and HTML, <https://github.com/ChessRosati/Belly-Button-Biodiversity-Project>

### **Tensorflow Review Classifier Project**, Developer, Remote, 2020

- Used machine learning to create a neural net which categorizes movie reviews as negative or positive
- Processed IMDb database of over 10,000 movie reviews to use as training and test data
- Written in Python using Tensorflow platform, <https://github.com/ChessRosati/Tensorflow-Text-Classification>

### **Marslender-West Asset Management**, Intern - Raleigh, NC, 2018

Researched and reviewed investment opportunities for the firm. Reviewed quarterly financial and stock data providing an investment proforma report. Expanded data-based narrative presentation skills.

### **Duke Clinical Research Institute**, Research Assistant - Durham, NC, 2016

Assisted in writing a research paper on the long-term health of heart transplant patients. Learned how to assess complex statistical results and use them to present a structured and compelling narrative.

### **Goccolina**, Server - Durham, NC, | 2015

Waited tables at Durham's finest Italian Restaurant. Gained experience communicating with and managing demands from customers in a high stress environment. Developed team skills in delivery of customer orders.

## Technical Skills

Python, R, HTML, JavaScript, SQL, noSQL, VBA, Data Manipulation & Visualization, Pandas, Jupyter Notebook, Matplotlib, Tableau, Machine Learning, TensorFlow, MySQL, PostgreSQL, MongoDB, GIT, AWS, C# Flask, Excel, Agile

## Education

**University of North Carolina at Chapel Hill**, Chapel Hill, NC, Certificate in Data Analytics, Data Science Bootcamp, November 2020

**North Carolina State University**, Raleigh, NC, Introduction to Analytics, January 2020

**Sarah Lawrence College**, Bronxville, NY, Bachelor of Arts, May 2019, Concentration: Writing and Literature