## Contact

www.linkedin.com/in/alexander-ruff-5245a1109 (LinkedIn)

## Top Skills

Game Direction

Game Maker Language

Data Privacy

## Certifications

Introduction to Git

Machine Learning with scikit-learn

Data Manipulation in SQL

Data Science Career Track

Introduction to Python

# Alexander Ruff

Data Scientist | Data Analyst | Python | SQL | Wrangling | Predictive Modeling | Machine Learning

Phoenix, Arizona, United States

## Summary

I'm a Data Scientist and Data Analyst skilled in Python, SQL, Machine Learning, and Data Analytics. I have experience making predictive models and recommender systems. I have used Data Visualization techniques to make big data applications accessible to stakeholders who might be less familiar with statistics. I thrive in high pressure settings, have strong problem solving skills, and am a confident and effective public speaker.

Technical Skills:
• Languages: Python (pandas, scikit-learn, NumPy, requests, BeautifulSoup)
• Predictive Modeling: Linear/Logistic Regression, Classification, Clustering, Decision Tree, Random Forest
• Machine Learning: Deep Learning, Neural Networks, Image Processing, NLP, Spark, keras, TensorFlow
• Probability and Statistics: Hypothesis Testing, A/B Testing
• Databases: SQL (MySQL, SQLite)
• Data Visualization: Jupyter, matplotlib, seaborn
• Version Control: Git, Github
• Tools: APIs, MS Office
• Data Science Methods: Mining, Wrangling, Cleaning, Analysis, Visualization, Storytelling

If you'd like to get in touch with me via email:
ruffalexander7@gmail.com

https://github.com/wdytfh

---

## Experience

Coronach Software
Game Director | Lead Programmer
July 2024 - Present (1 year 1 month)

Overseeing all aspects of development. I combine creative vision with technical expertise to drive the production and design of an unannounced STG.

Project:

Direct Production: Manage game development from concept to launch, ensuring alignment with both creative and technical goals.

Lead Design: Spearhead design initiatives to craft engaging STG gameplay and innovative mechanics.

Program with Expertise: Utilize GameMaker Language (GML) to develop and optimize game systems, focusing on high performance and smooth gameplay.

## Cenlar FSB
4 years 4 months

### SQL Dialer Analyst
January 2023 - Present (2 years 7 months)
Tempe, Arizona, United States

### Mortgage Professional
April 2021 - December 2022 (1 year 9 months)
Tempe, Arizona, United States

Mortgage servicing.
Troubleshooting.
Coordinate with other departments on conflict resolution.

## Springboard
Data Scientist
November 2021 - Present (3 years 9 months)

Springboard Data Science Career Track - Student
Description: 550+ hours of hands-on course material, with 1:1 industry expert mentor
oversight, and completion of 2 in-depth capstone projects. Mastered skills in Python,
SQL, data analysis, data visualization, hypothesis testing, and machine learning.

Project:

Lending Club: Loan Applications from Q2 2007 - Q4 2018 - Determining What Criteria Most Influences Loan Acceptance

Jupyter Notebook with supporting visuals (graphs). Cleaned and evaluated data from a set with over 29 million entries. Ran through multiple machine learning models after confirming high performance over random sampling by checking both the Lift and the ROC. Narrowed down to 2 main influencers with one of them consistent across models.

Project Link: https://github.com/wdytfh/Final-Capstone

## The World On-Line, Inc
Junior Programmer
March 2013 - January 2016 (2 years 11 months)
Allen, Texas, United States

C#

SQL

Developed from schemas.

Worked with clients on developing software.

———

# Education

Collin College
Finance, General

Fayetteville Technical Community College
Finance, General