Alexander Fioto
DATA SCIENTIST

afioto@icloud.com · (919) 669-4798
Raleigh, NC 27604
Github
Portfolio

Data scientist and software developer with 9+ years of entrepreneurial experience who excels at machine learning and data storytelling, I enjoy the crossovers of data and music and see data as a tool for effective strategizing and problem-solving. Seeking to leverage my expertise in diverse applications of data science.

PROFICIENT TECHNICAL SKILLS AND LIBRARIES

- **Coding Languages:** Python | SQL | HTML | CSS | JavaScript | Salesforce Apex
- **Libraries:** Scikit-Learn | Pandas | Numpy | StatsModels | Matplotlib | TensorFlow
- **Stats Techniques:** Inferential Statistics | A/B Testing | Sampling | Hypothesis Testing | Probability
- **ML Techniques:** NLP | Feature Engineering | Predictive Modeling | Forecasting | Clustering
- **Data Management:** Relational Databases | Web Scraping
- **General:** GitHub | Hadoop | Spark | AWS | Snowflake | OOP | Microsoft Excel | Agile

---

EXPERIENCE

Ubisoft
9/2021 -

Data Scientist
- Create and maintain player monetization models for internal stakeholders
- Develop, deploy and monitor ML pipelines
- Produce audience segmentation for targeted email campaigns and analysis
- Perform AB testing and document methodologies
- Predict churn in high-monetizing video games

Salesforce
3/2021 - 9/2021

Associate Technical Consultant
- Develop consumer facing UI and connected backend to Salesforce database
- Produced quick results for US Gov project enabling disbursement of COVID relief funds
- Created custom Salesforce components deployed in large scale production environments

NC Symphony
2012-2020

Associate Principal Trumpet (2020) / 4th Trumpet (2012-2019)
- Performed with the North Carolina Symphony in concerts, recordings and broadcasts
- Collaborated with top industry professionals and Grammy-winning artists

---

PROJECTS

Generative Chatbot
Github Repo
Demo
- Developed a generative chatbot trained on television script dialogue
- Trained and incorporated random forest classifier for character prediction of user input
- Embedded episode recommender based on user-input utilizing BERT word embeddings

Decoding COVID
Github Repo
Markov Model App
Visualization by State
- Analyzed mask usage and sentiment correlation to COVID cases and political party affiliation
- Deployed via Heroku, my team created a suite of applications for tracking US COVID rates
- Applied Hidden Markov Model to identify regime changes in daily case rates
- Created an interactive data visualization tool to compare infection rate between US states

Spotify Engine
Github Repo
The App
- Delivers custom song recommendations based on user-data and machine learning techniques
- Deployed Spotify Recommendation Engine to Heroku Cloud Platform utilizing Flask
- Navigated Spotify API to enable user authentication

EDUCATION & CERTIFICATIONS

Rice University | Houston, TX
Master's Degree, Performance, 2011
The University of Michigan | Ann Arbor, MI
Bachelor's Degree, Performance, 2009
General Assembly | Raleigh, NC
Data Science Certification, 2020

Certified Salesforce Administrator
Salesforce OmniStudio Developer
Tensorflow Developer Specialization
AWS Fundamentals: Cloud Practitioner