Eric Blander

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DATA SCIENTIST & ENGINEER

Data Scientist and Engineer with a background in music and fine wine sales, leveraging team building, organization and communication skills. A lifelong passion for math, technology and logical reasoning has led me to discover data science as a career of pursuit. I help clients make decisions and create decisions based on data mining and analysis.

TECHNICAL SKILLS

Python (Pandas, NumPy, Scikit-learn) | SQL | AWS | Machine Learning | Microsoft Office | G Suite | CSS | Linux | Bitcoin

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TECHNICAL PROJECTS

DDoS (Cyberattack) Detection - GitHub
A project created to analyze internet traffic in order to identify DDoS Attacks (cyberattacks)
- Cleaned and combined 18 datasets (DDoS Attacks) from the CIC into 50 million data points to prepare for analysis
- Adopted Machine Learning models for 4 distinct problems to detect malicious attack versus regular internet traffic
- Achieved 99% accuracy in models detecting cyberattacks

Twitter Sentiment Analysis: #Masks - GitHub
Sentiment analysis of tweets about masks over the course of the COVID-19 pandemic
- Scraped 150 million tweets containing the word 'mask' or 'masks' (1/20 - 6/20) using Twint to assess data
- Conducted NLP analysis and feature engineering using Vader, Spacy and TextBlob to analyze sentiment towards masks
- Implemented LDA Topic Modeling with Gensim to quantify meaning in text
- Applied Machine Learning models to gain further insights

Password Strength Analysis - GitHub
Research analysis of 500 million leaked passwords from haveibeenpwned.com to determine password strength
- Engineered 50+ of features using RegEx and dictionaries to evaluate data
- Used the number of times a password was leaked to determine password weakness
- Integrated various Regression Models to capture insight into the constructs of a weak password

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PROFESSIONAL EXPERIENCE

Data Scientist & Engineer, **Freelance** *(temporary, searching for full-time employment)*   **2020 - Present**
- Helping clients with ad-hoc projects in regards to data mining, cleaning, and analysis
- Reviewing code for and contributing to open source projects such as BTCPay Server and Joplin

Data Scientist & Engineer, **Flatiron School**   **2020**
- Built data pipelines to scrape and clean a wide variety of datasets using Python, SQL, and AWS
- Applied statistical models and machine learning for descriptive and inferential analysis
- Created diverse technical projects including: DDoS Detection, Twitter Sentiment Analysis, Password Strength Analysis

Wine Consultant, **V.O.S. Selections**, New York, NY   **2016 - 2020**
- Operated as a fine wine sales consultant for 150+ NYC restaurants and wine stores to educate and sell products
- Grew business results from $180,000 / year to $850,000 / year in revenue via sales and consulting
- Monitored and helped plan logistics of products from 50+ suppliers around the world to satisfy customer needs

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Asst. Manager, **K&D Wines & Spirits**, New York, NY   **2014 - 2016**
- Led operations and accounting while purchasing goods as a buyer to help boost growth
- Managed inventory of 5,000+ SKUs, handled web maintenance, customer relations, training and onboarding new hires
- Event planning, conflict resolution, logistics management of delivery routes, accounts receivable duties

Musician, **Freelance**   **2005 - Present**
- Traveled to 50+ countries as a performing artist on RMS Queen Mary 2 cruise liner, enhancing customer experiences
- Taught 100+ private guitar, bass and piano students to educate and develop people's musical talent

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EDUCATION

Flatiron School, New York, NY   **2020**
Technical Certificate | Data Science

University of the Arts, Philadelphia, PA   **2010**
Bachelor in Fine Arts | Major: Music Performance | Minor: Music Education

SUNY SCCC, Schenectady, NY   **2007**
Associate Degree | Major: Music Performance | Minor: Music Education