ALEXANDER BENNETT

DATA SCIENCE & MACHINE LEARNING

CONTACT

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PROFILE

Data scientist skilled with in-depth analysis for financial and technology firms. Specific expertise in machine learning and data visualization.

EDUCATION

2020
AWS
Certified Cloud Practitioner

2020
LAMBDA SCHOOL
Data Science Certificate

2018
UNIVERSITY OF UTAH
B.S. in Finance
Dean's List

TECHNICAL SKILLS

- **Programming Skills:** Python, SQL
- **Database:** MySQL, PostgreSQL
- **Data Visualization:** Tableau, Matplotlib, Seaborn
- **Statistics:** Probability, Distribution, Hypothesis Testing, A/B Testing
- **Libraries:** Pandas, Numpy, Scipy, Scikit-Learn, Beautiful Soup, NLTK
- **Machine Learning:** Classification, Regression, Clustering, Time-Series Analysis

EXPERIENCE

2019 - PRESENT
Data Scientist | Lambda School

- Replaced stale model with **productionized machine learning pipeline** for client while migrating backend services to **AWS**, improving app reliability and speed by **33%**
- Collaborated with web development, UX, and leadership teams to **deploy production machine learning pipelines** for client projects
- **Mentored data science candidates** on machine learning projects

2018–2019
Data Analyst | Addepar

- Analyzed financial data pipeline, uncovering custodial data errors using **Python, SQL, Linux command line, and querying a MongoDB**
- Verified daily data transmission for client firms totaling over **$1 trillion in assets under management**

DATA SCIENCE PROJECTS

Spotify Playlist Generator | Github

- Built **production-level KNN machine learning model** with a dataset of **700,000** songs
- Migrated existing web app functions from Heroku to **AWS, leveraging Elastic Beanstalk, RDS, EC2, and S3**
- Launched docker image on AWS ECS, **improving performance by 33%**

Airbnb Optimizer | Website

- User: kevin | Password: kevin
- Performed **exploratory data analysis** to refine feature variable selection for machine learning
- Built machine learning pipeline with Python classification algorithms, achieving highest **accuracy score of 90%**
- Deployed **Flask API** to serve predictions to front-end engineers

Who Will Click the Ad | Github

- Cleaned raw advertising data and **performed feature engineering**
- Uncovered bimodal distributions **using data visualizations**
- Built a logistic regression machine learning pipeline, **achieving overall accuracy of 96% and F1 score of 98%**