

Data Scientist

Data Scientist

San Francisco, CA

Work Experience

Data Scientist

Booxby - Sausalito, CA

May 2017 to August 2018

- Developed models to predict a book's commercial success, comparable titles, and experiential tags from literary text
- Applied various NLP algorithms for literary analysis: lexical and syntactic features, word embedding, topic modeling
- Built models to make inferences from marketing spend, price, star ratings, genre, sales, and reviews data
- Created web scrapers and used OCR to expand corpus with 15k+ works of fiction
- Scraped and parsed web pages for book reviews and metadata; set up SQL database on AWS to manage data

Marketing Analytics Science Intern

Booxby - Oakland, CA

June 2017 to August 2017

- Built models to evaluate push and email campaign effectiveness, and analyzed features with success metrics to optimize lift
- Designed automated push series based off interaction data, wrote Hive queries to pull targeted listeners, and set up A/B tests
- Created Tableau dashboards to chart frequency and reach of marketing campaigns, scheduled updates using Airflow

Data Scientist Intern

San Francisco, CA

March 2017 to May 2017

- Implemented evaluation metrics on a recommendation engine that generates personalized training course recommendations
- Applied NLP techniques on catalog descriptions, training history, and internal social network content

Data Analyst

Quest Diagnostics - West Hills, CA

October 2015 to August 2016

- Automated paper correspondence workflow by creating Python scripts, using OCR and regex to parse 6k sheets/month
- Developed process to transfer or post appropriate reject code on over 30k claims worth \$12M+ in owed amount using VBA
- Created an Access database to find and resolve 10k partially adjudicated claims (\$2.2M), reducing bad debt volume by 47%
- Fixed root cause of 7k incorrectly adjudicated claims by running SQL queries, adjusting bills, and updating control cards

Software Developer Intern

Sandbox - Thousand Oaks, CA

September 2015 to October 2015

Created programs and lessons in robotics, animation, video game design, and programming taught at local schools

Research Assistant

UCLA Anderson - Los Angeles, CA

March 2013 to September 2013

Converted annual report datasets and cleaned data from database of analyst forecasts; ran basic SAS procedures

Education

Master of Science in Data Science

University of New Haven San Francisco, CA

December 2017

Bachelor of Science in Applied Mathematics in Computing

University of California Los Angeles, CA

September 2015

Executive Education EDGE Certificate of Business Management

UCLA

Skills

AWS (1 year), GCP (Less than 1 year), Python (Less than 1 year), SQL (2 years), statistical modeling (Less than 1 year)

Links

<http://linkedin.com/in/byukan>

<http://github.com/byukan>

Additional Information

Skills

Python (scikit-learn, pandas, NumPy, SciPy, matplotlib), SQL, Hive, analytics, machine learning, statistical modeling, AWS, GCP