

Christopher Rimmel

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Data Scientist with background in classical music and nonprofit fundraising. Highly organized, friendly, and research oriented. Combines technical curiosity, strong people skills, and conservatory-honed focus to efficiently plan and execute projects of all sizes.

TECHNICAL SKILLS

Python (pandas, numpy, scikit-learn, keras, geopandas, folium), R, SQL, NLP, Machine Learning, Deep Learning, Data Visualization

TECHNICAL PROJECTS

Identifying Parody and Clickbait with Deep Learning

- + Built a convolutional neural network for classifying news headlines into the following categories: Real, Parody, and Clickbait
- + Achieved ~80% accuracy on test data after training on 35,000 headlines

Hackathon: Predicting Churn for Telecom Customers

- + Built a Linear SVM model to predict customer churn
- + Used recursive feature elimination and SMOTE to achieve recall of ~82%

Predicting the Diabetes Belt

- + Used logistic regression to predict adult diabetes risk level by US County using data from USDA Food Environment Atlas
- + Reproduced and updated CDC maps displaying adult diabetes risk

EMPLOYMENT HISTORY

Data Consultant

Data Analyst, Thayer School of Engineering, Dartmouth College (March 2019 - Present)

- + Implements machine learning techniques for classification and regression using R
- + Performs statistical tests and generates visualizations for team of bioengineers

Practice Content Creator, DataCamp (February 2019 - Present)

- + Creates instructional materials for students in data science and analytics
- + Developing practice pool of 140+ exercises for *Introduction to Data Science with Python* and *Interactive Data Visualization with Bokeh* courses

Fundraising and Development Professional

Development Coordinator, Dartmouth College (October 2016 - July 2018)

- + Managed volunteer teams for the Classes of 1956 and 1960, raising over \$725,000 for financial aid
- + Analyzed constituent data using OBIEE Data Warehouse, Python, Excel, and VBA

Development Assistant, The Nature Conservancy (August 2015 - September 2016)

- + Performed research to identify prospective large donors, navigating public, internal, and third-party sources
- + Maintained donor records using Blackbaud CRM, coordinating with finance to track gifts and interactions

Opera Singer

Independent Contractor, Various Companies (May 2009 - September 2016)

- + Principal artist, supporting artist, and chorister at top US arts organizations, including: Santa Fe Opera, Wolf Trap Opera, Chicago Opera Theater, Grant Park Symphony, Opera Santa Barbara, and Haymarket Opera

EDUCATION

Flatiron School

2018 - Present

Online Data Science Bootcamp

Chicago College of Performing Arts

2009 - 2011

M.M. in Opera

UCLA

2005 - 2009

B.A. in Music