Aaron **Pollack**

SOFTWARE ENGINEER · DATA SCIENTIST

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Technical Skills

Proficiency	Java, C++, Python
Intermediate	R, SQL, Stata, Javascript
Related Technologies	Git, HTML, LaTeX, Unix, Jupyter Notebooks

Experience

Google   *Cambridge, Massachusetts*

SOFTWARE ENGINEER – HOTEL ADS   *April 2020 - Present*

- Launched features to improve performance and efficiency in high-throughput data infrastructure used to process global ads traffic

School of Management – Yale University   *New Haven, Connecticut*

RESEARCH ASSOCIATE   *July 2019 - March 2020*

- Technical lead on an NBER affiliated research project examining national trends in US healthcare markets
- Maintained data infrastructure used to conduct large-scale, computational analyses on hundreds of gigabytes of data

Google   *Cambridge, Massachusetts*

SOFTWARE ENGINEER – GOOGLE NEWS   *June 2017 - July 2019*

- Member of the launch team for *Google News*, launched in 127 countries and 64 languages
- Designed and implemented server side applications to handle merchandising in the Google News app, serving content to hundreds of millions of users
- Participated in a production on-call rotation, ensuring the health and stability of our global technical infrastructure

SOFTWARE ENGINEER INTERN – PLAY NEWSSTAND   *May 2016 - August 2016*

- Implemented an application to offer real-time insight into social and news media trends

Education

University of Michigan   *Ann Arbor, Michigan*

BACHELOR OF SCIENCE: COMPUTER SCIENCE, ECONOMICS   *2013 - 2017*

- Overall GPA: 3.65/4.0
- Founder and Director of the Michigan Student Artificial Intelligence Lab

Select Technical Projects

Examination of Cross-Correlation in Sector Focused ETF's

NUMPY, PANDAS, MATPLOTLIB, SEABORN

- Examined cross-correlations in financial time series to learn the relationship between various industries and the business cycle

Regression Analysis of Socioeconomic Indicators and Electoral Outcomes

NUMPY, PANDAS, MATPLOTLIB, STATSMODEL

- Used OLS regression models to explore the relationship between socioeconomic indicators and electoral outcomes in the 2016 presidential election

Sentiment Analysis of Tweets

R, TM, SNOWBBALL

- Conducted sentiment analysis of tweets scrapped from Twitter relating to various computer manufacturers

Text Classification using Supervised Learning Techniques

NUMPY, PANDAS, SCIKIT-LEARN

- Utilized machine learning techniques to classify comments scrapped from major online forums
- Conducted hyper-parameter and feature weighting tuning to optimize model performance