Eva Sidlo

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EDUCATION

UC Berkeley | Data Science with Domain Emphasis in Quantitative Social Science | Class of 2021

Coursework included: Data and Decisions, Techniques of Data Science, Structure of Computer Programs, Data Structures, Human Contexts and Ethics, Language Models and Text Analysis, Machine Learning, Data Mining and Analytics, Time Series

WORK EXPERIENCE

Pure Storage | Demand Planning Analyst Intern | June 2021 - Present

To take component planning to the next level I constructed a dashboard using Tableau that automated previous component planning done in Excel to provide statistically computed quantities of safety stocks based on desired service levels. Through collaboration across teams by organizing meetings defined a metric to measure a component's risk based on lead time, volatility, and uniqueness. Queried/wrangled necessary data on Dbeaver using PostGresSQL with performance in mind to identify at-risk components for demand planning.

This dashboard tool assists in efficient micromanagement and flexibility for planning large strategic deals/last time buys.

Common Sense Media | Machine Learning Intern | Dec 2020 - June 2021

Developed a tool by crowdsourcing from a variety of sources to highlight problematic media titles for children. Produced dashboard that scrapes and determines sentiment of content to expedite review process for backlog of media titles.

University of California, School of Public Health | Data Analyst | Dec 2019 - June 2021

Constructed and visualized raw qualitative data with interactive maps, spearheaded visual designs, and performed geospatial analysis using GeoPandas and folium. Ensured reproducible science in project design and Jupyter Notebooks.

DataGood | Project Developer | Feb 2021 - June 2021

Co-led a team to create a classifier for Viviendas León, a non-profit organization whose mission is to eliminate rural poverty and maximize harvests.

Cleaned raw data and conducted geospatial analysis of disease progression for each crop type to analyze farming harvests based on geographic location, weather, crop type, and pesticide.

City of Paterson NJ | Data Analyst | Aug 2020 - Jan 2021

Through various data scraping methods and API calls, extracted data from Zillow, Twitter, and Craigslist and created interactive maps for the Mayor and City of Paterson officials to visualize displacement/eviction trends in Paterson neighbourhoods. Proactively arranged meetings with project supervisor to update progress while assisting teammates in additional responsibilities. End result was successfully identifying regions that were significantly marked above averaged contracted rents and were falling victim to gentrification so the city could address associated landlords.

NASA NCAS Program | Intern | Nov 2017 - March 2018

Software engineer on a team of 40 for the Mars rover rock collecting competition. Validated software success while assessing robotic design limitations. Acted as liaison between engineers and software team.

Completed hybrid jet propulsion research project for NCAS application. Invited to Ames Research Center and awarded 2nd place. Also awarded MVP from among 40 others.

SKILLS/LIBRARIES

Python, SQL, Tableau, GeoPandas, Folium, Numpy, Pandas, Seaborn, Sklearn, NLTK, Gensim, Scrapy, Tweepy, Statsmodels, Psycopg2, Sqlalchemy, PostGres, DBeaver, Plotly, Dash, Heroku, Django, Scipy, Jupyter Notebooks

AWARDS

OSHER Reentry Scholarship Recipient Jan '21:
University of California Reentry Department

Alumni Leadership Recipient Sep '20:
University of California Alumni Association

Data Science Research Spotlight Jul '20:
UC Berkeley Division of Computing, Data Science, and Society

NCAS MVP Apr '18:
NASA Community College Aerospace Scholars

OTHER EXPERIENCE

WaterGrill Santa Monica:
Waitressing (5yrs)

Navigating California:
Mentor/Leader (3.5yrs)