

EDUCATION

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

Coursework: 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 | Cost Operations Analyst | Aug 2021 - Present

- Key deliverables requiring advanced skills in Excel, Tableau, and PostgreSQL include cost accounting & reporting, margin & cost analysis, NPI COGS projection, tariffs projection, and analytical support for cost reduction opportunities
- Developing automation of processes to improve performance time and accuracy.
- Communicate with contact manufacturers to review COGS and present quarterly COGS reviews.

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

- Created safety stock tracking Tableau dashboards to support demand planning managers to monitor shortage risk of key components based on part lead time, demand volatility and where-used commonality and multi-sourcing evaluation.
- An analysis that used to take at least a week has been condensed to seconds with this tool.
- Built executive dashboard for diagnosing noise sequence and random walk among historical fluctuation and forecasting values generated from multiplicative time series model via PostgreSQL & Tableau.
- Developed an integrated web portal to host google sheet reports and tableau dashboards through python django MVC framework, HTML, CSS and JavaScript.

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

- Developed a tool using Heroku and Python Flask by crowdsourcing from a variety of sources to highlight problematic media titles that scrapes and determines sentiment using NLP
- Expedited review process for backlog of media titles.

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

- Performed geospatial analysis using GeoPandas, Folium, and ArcGIS.
- Spearheaded visual story-telling by constructing user-friendly interactive designs with raw qualitative data.

DataGood | Project Developer | Feb 2021 - June 2021

- Co-led a team to develop a classifier that suggests crops to plant for the upcoming season.
- Independently 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. Proactively arranged meetings to update progress while assisting teammates in additional responsibilities.
- Identified regions that were significantly marked above averaged contracted rents so the city could address associated landlords.

NASA NCAS Program | Intern | Nov 2017 - Mar 2018

- Coordinated and debugged code to validate software success while assessing robotic limitations.
- Acted as liaison between engineer and software team.
- Awarded 2nd place and MVP from among 40 others after completing hybrid jet propulsion research project & Invited to Ames Research Center to compete in Mars Rover competition.

SKILLS/LIBRARIES

- Programming Languages: Python, Unix Shell Script
- Data Analytics Tool: Python (Pandas, Numpy, Scikit-Learn, NLTK), R, Alteryx
- Data Visualization: Python (Seaborn, Matplotlib, Plotly, Dash), Tableau
- RDBMS: MySQL, Microsoft SQL Server (T-SQL), Oracle SQL (PL/SQL), PostgreSQL
- Web Development: Python Flask, Python Django, HTML, CSS JavaScript, Heroku

