

AMELIA MEYER

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EDUCATION

University of California, Santa Barbara

2018 - June 2022

Bachelors of Science: Statistics and Data Science

Relevant Coursework: SAS Base Programming, Intermediate Python, Machine Learning, Time Series Forecasting

SKILLS

Languages

English (Native), German (Proficient), Korean (Novice)

Programming Languages

R, Python, SQL, SAS, Git, Markdown, Bash, HTML, CSS, Java Script, PySpark

Software Framework

twarc, Github, Sklearn, Spotify API, Raster graphics

EXPERIENCE

Data Science Assistant

JUNE 2020 - PRESENT

UCSB Interdisciplinary Collaboratory

Goleta, CA

- Creating, instructing, and assisting in data carpentry workshops on topics including Geospatial Raster, Bash, and SQL.
- Developing Microsoft Azure Speech-to-Text services using Python to translate and transcribe interviews in Chinese and English.
- Collaborating with twarc developers to improve twarc functionality and create a comprehensive guide on Twitter analysis using Python and Github Pages.

Desktop Support

AUGUST 2019 - PRESENT

UCSB Library Information Technology

Goleta, CA

- Imaging, decommissioning, repairing and deploying computers for staff and the public.
- Monitoring public systems and providing troubleshooting assistance to library patrons.
- Creating and testing keystroke logger software to ensure patrons aren't visiting inappropriate sites or illegally downloading content.
- Organizing tech storage room and public areas.

Faculty Service Operator

JUNE 2019 - MARCH 2021

UCSB Conferences and Housing

Goleta, CA

- Interacting with conference organizers to provide professional representation of the University.
- Arranging room layouts to fit the needs of the clients.
- Operating the emergency phone line.
- Setting up, monitoring and troubleshooting A/V for conferences and events.

PROJECTS

YouTube Top Trending Videos Used web-scraping to collect YouTube Video data. Tested and trained a model to determine which videos would end up on YouTube's Top Trending list each day with 80% accuracy.

Twitter Sentiment Analysis Used twarc, a Twitter API, to gather tweets pertaining to the George Floyd incident. Transformed data using TF-IDF vectorizer.