ANDREW J. MORRISON

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Summary of Qualifications

Data Analyst passionate about condensing complex data into *meaningful* stories with data-wrangling and visualization. Demonstrated organizational, communication, and technical experience in academic settings. Enthusiasm for technical problem solving, conflict resolution, creativity, and collaboration. Self-starter, excited to develop new systems and improve workflows.

Skills

Tools: Python (Pandas, Matplotlib/Plotly, Flask, SQL-Alchemy/Pymongo, SKLearn, Keras/TF), Git (Github, GitLab), JavaScript (D3, Plotly, Leaflet, Mapbox), HTML (Bootstrap), R (Shiny), Tableau
Databases: SQL, MongoDB, GCP/AWS
Languages: Intermediate Spanish

Projects

r/nba Game Threads: ETL | https://github.com/andjmorrison/etl_project
-Compiled unique dataset merging NBA player statistics/shot-placement with Reddit Game Thread data
-Scraped data from multiple APIs (NBA API, PRAW)
-Loaded data into remote mongoDB after data-wrangling, merge, and cleanup processes

More Buckets | https://github.com/andjmorrison/mo_buckets
-Dashboard visualizing NBA Player statistics and shot distribution (Flask, JavaScript, Plotly)
-Aggregated data from both APIs and remote noSQL database to form static API using Flask
-Implemented machine-learning algorithm to predict player positions (SK-Learn, Keras)

URL Verifier
-Script to verify URL accuracy in bibliographic records at UC Davis Law Library (Pandas, Requests)
-Implement alternative solution to proprietary database lacking functionality

Education and Training

Data Analysis and Visualization, UC Davis
Certificate Program (2019)
-6-month program focused on developing skills in data analysis, visualization, and database management
-Projects using: Python, JavaScript, SQL/noSQL, Git, Tableau, R, VBA, Machine-Learning, Big Data

University of California, Berkeley
Bachelor of Arts, History with Honors (2012)
-Drafted original thesis on Guatemalan National Police utilizing newly-created digital archive
-Compiled finding aid for *Archivo General de Centroamerica* under Apprenticeship for Anthropology Dept.

Experience

UC Davis Continuing and Professional Education—Trilogy Education (Sacramento, CA)
Teaching Assistant for Data Analysis and Data Visualization (2020-Present)
-Guide students in projects using variety of programming languages (Python, SQL, JavaScript, R, Git, VBA)
-Maintain remote repository for course materials and coordinate project grading
-Assist in troubleshooting and debugging student projects

UC Davis Mabie Law Library (Davis, CA)
Acquisitions/Circulation Assistant, Serials Lead, Student Supervisor (2015-Present)
-Department accounts payable, accounts receivable, account resolution, financial analysis
-Record and maintain all serials/government documents for Law Library in library database
-Supervise and hire student library employees
-Operate public service desk and provide support for broad range of clients, resolve and escalate problems
-Plan, organize, and send shipments to UC binding and storage facilities
-Added online availability for 4,000+ items within catalog for ease of use
-Spearheaded reorganization of Archives and implemented clearly defined procedures
-Expanded records for 10,000+ stored items to increase public accessibility

North Regional Library Facility (Richmond, CA)
Library Assistant (2013-2015)
-Oversaw public service desk; facilitated in-person and remote requests for patrons
-Copy-cataloged new material, including monographs and serials, Special Collections, foreign language, maps
-Managed existing database records according to AACR2/RDA bibliographic, departmental guidelines
-Prepared material for digital lending to affiliated patrons

Main Gardner Stacks, Doe Library (Berkeley, CA)
Student Library Employee (2012-2013)
-Co-managed NRLF storage project and increased weekly shipments
-Trained new student staff in NRLF shipment operations