CHLOE M. MAYNE

chloemayne28@gmail.com • (415) 302-1329
LinkedIn: https://linkedin.com/in/chloe-mayne • GitHub: https://github.com/cmayne28

CAREER SUMMARY

Policy Specialist with experience in data, policy, and economic analysis that supports data-driven decision making. Experienced in Excel, VBA, Python, SQL, Tableau and GIS. Seeking full-time data analyst position to leverage problem solving skills and support a collaborative team in tackling new challenges.

TECHNICAL SKILLS

Languages: Python, SQL, noSQL, JavaScript   *Database:* mySQL, mongoDB
Data Manipulation & Visualization: *Other:* Git, Flask, command line, HTML
pandas, matplotlib, Tableau 2019.1, D3.js   *Software:* ArcGIS Desktop, ArcGIS Pro, ArcGIS Online

PROJECTS

Department of Interior (DOI) Reorganization Analysis   Sep 2018
- Created Tableau dashboard tool to assist leadership with decision-making on regional headquarters locations.
- Pulled data from Google Maps API to assemble lat/longs for dataset of over 1,000 DOI locations.
- Utilized Python, pandas and GIS to join locations with data on regions, metropolitan statistical areas (MSAs), schools, airports and cost of living.
- Web scraped 2018 rankings of MSAs using Beautiful Soup and joined results with location data.

Bureau of Indian Education Employee Tenure   Jul – Dec 2018
- Analyzed changes in teacher and principal tenure at Native American schools from 2007 to 2017.
- Calculated average tenure rates by employee, school, education level, and year using Python and pandas.
- Presented findings and Tableau visualizations at 2018 DOI Economic Training Workshop.

EXPERIENCE

Policy Specialist, *Office of Policy Analysis, U.S. Department of Interior,* Washington, DC   Feb 2017 – Present
- Conducts data analysis to inform objective policy and economic analysis. Collaborates on an interdisciplinary team to provide data and recommendations to Departmental leadership on issues facing DOI.
- Develops quarterly energy report on bureau energy production for leadership. Transitioned report from paper document to interactive dashboard using Python and Tableau.
- Leads office budgeting process including communicating with key internal and external players. Designed and automated office budget report using Python and VBA. Resulted in budget surplus of $50k in FY18.

Program Specialist, *Office of Emergency Management*, *U.S. Department of Interior*   Mar – Jun 2018
- Participated in three-month detail to the Office of Emergency Management to assist with GIS and data issues.
- Developed Tableau dashboards to display disaster response and recovery operations during and after disaster events affecting Department of Interior assets and employees.
- Standardized emergency management data collection, including 15 metrics to be collected during disasters.

GIS Analyst (AmeriCorps Member), *U.S. Department of Interior,* Washington, DC   Oct 2015 – Jan 2017
- Analyzed coal mining impacts on streams and deforestation in Central Appalachia using aerial imagery, remote sensing and GIS. Presented initial results at the 2016 ARRI Mined Land Reforestation Conference.
- Contributed text, imagery and original figures to the Stream Protection Rule Environmental Impact Statement.
- Conceptualized and executed research project to determine populations within a mile of an abandoned mine land site. Utilized census population data and abandoned mine land locations for geospatial analysis.

EDUCATION

The George Washington University, GW Data Analytics Boot Camp   Feb 2019
Intensive 24-week boot camp. Skills gained include Python, SQL, NoSQL, pandas, matplotlib, MySQL, MongoDB, Git, AWS, Flask, command line, HTML, CSS, JavaScript, D3.js.

Pitzer College, A Member of the Claremont Colleges, Claremont, CA   May 2015
Bachelor of Arts, Honors in Environmental Science, Minor in Geology, 3.54 GPA