

Melissa Lewis

CONTACT INFORMATION

home: Portland, OR
website: melissalewis.codes

PROFESSIONAL EXPERIENCE

Reveal/The Center for Investigative Reporting, Emeryville, CA.
Data reporter **January 2019 - current**

I alternate between partnering with reporters to iteratively source and analyze data and working on my own investigations. In both cases, my responsibilities include making public records requests at every level of government, conducting interviews, research of business registrations, civil and criminal court documents, and legislation.

The Oregonian, Portland, OR.
Data editor **September 2016 - December 2018**

I collaborate on projects across the newsroom to source, analyze and visualize data. I typically do this through web scraping with Python, APIs or good old-fashioned phone calls and emails. My team and I manage a server for standalone project pages, so I've learned some Linux system administration and set up Postgres. I've established a GitHub workflow for the team and occasionally teach workshops on Git. I advise on data visualization approaches for both interactive and static graphics, and produce graphics using any combination of Python, D3, CartoDB, DataWrapper, Tableau, Adobe Illustrator and Adobe Photoshop depending on need.

melissalewis.codes/portfolio

Simple, Portland, OR.
Data engineer **February 2015 - September 2016**

I contributed to Shiftmanager, open source admin tools for Redshift in Python. I wrote other Python, SQL and limited Scala for Redshift and Postgres extraction/transformation/load processes. I wrote logic for a transaction search interface with Clojure and the Elasticsearch API. I participated in internal mentoring for programming and public speaking, and served on the diversity and inclusion committee.

<https://shiftmanager.readthedocs.io/en/latest>

Periscopic, Portland, OR.
Data analyst **December 2013 - February 2015**

I cleaned and normalized government and private datasets using Python (pandas and NumPy), including FBI homicide data to update guns.periscopic.com. I used Gephi to explore configurations for a network graph depicting relationships between factors in breast cancer causation for UCSE. I used both the GNIP and Twitter APIs for interactive tools and the University of Washington Coursera class introducing data science. I most frequently performed exploratory data analysis.

Center for Open Science, Charlottesville, Virginia.
Project coordinator **June 2013 - December 2013**

I assisted in development of the Open Science Framework (OSF), a web application for supporting scientific collaboration within and among labs. I trained new users through documentation and live tutorials. Ran community outreach for underrepresented people in tech and managed social media. I was also a part-time developer intern and used Python for markup language conversion, data munging and unit testing. Redesigned and learned Bootstrap and limited vanilla JavaScript for the organization's website and web application (OSF).

