**ESTHER LEAH LOWE**

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SUMMARY

Relocating to Los Alamos, NM in November and seeking employment utilizing data science, data analysis, programming (front end, back end, full stack development) and statistical analysis.

EDUCATION

**Northwestern University Graduate Studies**, Chicago, IL

Data Science Bootcamp Certification (October 2019 Completion Date)

**Colorado College**, Colorado Springs, CO

BA, Minor in Applied Mathematics

**Gale Academy**, Statistics Certification

**Pikes Peak Community College**, Chemistry II

TECHNICAL SKILLS

**Programming Techniques & Languages:** Bootstrap, Python, VBA, PostgreSQL, JavaScript, HTML/CSS, \**R*

**Data Manipulation & Visualization:** ETL (Extract Transform Load) methods with Pandas, MatPlotLib, Gmaps, JSON conversion, \**Shiny, \*Tableau, \*Leaflet*, D3, & Beautiful Soup, full stack web development with Flask

**Databases:** Lots of big data in the cloud, large .csv files and databases from the Census Bureau, Google, Kaggle, Open Weather Map, MaxMind GeoLite, Kickstart, New York Times, IMDb, & others

**Other:** Utilize programming tools: Command Line, schema design, Visual Studio Code, Data Modeling & Analysis with Microsoft Excel, Sage, Wolfram Alpha Mathematica, Microsoft Word for technical writing

**\*ANTICIPATED BY OCTOBER: *Machine Learning:*** *Learning with neural networks, sckit learn, some tensorflow*

WORK EXPERIENCE

7/19-8/19 Consultant, Human Resources Data Analyst, Upwork

12/18-5/19 Shift Manager, Walgreens & Pharmacy Technician, Skokie, IL.

Managed multiple shifts at a Walgreens store. Responsibilities included managing staff of six employees, inventory control, computer and network troubleshooting and repair, and customer relations. Conducted employee training. Certified Pharmacy Technician with HIPPA compliance.

5/13-11/18 Homeschool Teacher and Tutor, Sustainable Community, Boulder & Manitou Springs, Colorado.

Taught primary and secondary school subjects, including mathematics, agriculture, and science classes for home-schooled students. Prepared teaching materials and homework assignments, met with parents and other faculty. Kept records and created classroom project and field trips. Planned and created student gardens on a five-acre property to teach sustainable living and agriculture.

PROJECTS

**Projects (visit** [**https://github.com/ELLowe**](https://github.com/ELLowe) **for a complete list of Bootcamp projects):**

Projects included Big Data analysis employing database of API calls, big data in the cloud, web scraping, over 5 million rows of data from large .csv file comprehensions, and extracting as well as cleaning of government data.

Performed data science including statistical data analysis, created D3 and Plotly graphics, other graphical visualization, and geo-mapping. Created pivot tables and VBA excel programs for ongoing data manipulation and generated reports.