

Kairsten Fay

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Objective

Self-starting data lover with a passion for communicating meaningful stories from numbers. Seeking to leverage data visualization and machine learning to build web applications.

Experience

Data Analyst, Feb 2017 - Present

Institute for Health Metrics and Evaluation, Seattle, WA

- Developed visualization dashboards to communicate key insights and correlations among diabetes, BMI, food consumption, and health outcomes
- Used Flask to build a REST API to provide programmatic access to our main database
- Collaborated with a team member to reduce ad hoc transformations in our ETL pipeline
- Tools used: Python (pandas, flask), R (tidyverse), Tableau, MySQL, Excel

GIS Data Technician, Jan 2015 - Sep 2016

NC State University, Raleigh, NC

- Published a publicly available visualization to portray the shifting winter coat color distribution of 16 mammal and bird species worldwide
- Collected, cleaned, and entered data from literature review and museums trips. Recruited collaborators to collect data in museums too far to visit.
- Tools used: Python, R, Tableau, SQL, ArcGIS, Excel

Research Assistant, Apr 2014 - Mar 2015

NC State University, Raleigh, NC

- Designed an independent research project with available resources to improve the scientific understanding of the genetic basis of alcohol addiction and withdrawal
- Heightened lab and research visibility by presenting preliminary results at two symposiums
- Tools used: Excel, SAS (JMP)

Education

Bachelor of Science in Biology, 2015

NC State University, Raleigh, NC

- GPA: 3.98, Magna Cum Laude
- Caldwell Fellowship and Phi Beta Kappa honor society

Additional Skills

- Statistical data analysis, machine learning, data mining, analytical writing, literate programming
- Bilingual English/Spanish
- Microsoft Office, HTML/CSS, Plotly