**Kairsten Fay**

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[Objective](mailto:kairstenfay@gmail.com)

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

AdditionalSkills

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