**KAIRSTEN FAY**

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# WORK EXPERIENCE

**DATA ANALYST, FEB 2017 – PRESENT**

INSTITUTE FOR HEALTH METRICS AND EVALUATION, SEATTLE, WA

* Created interactive online visualizations from a large amount of disparate data sources to provide actionable insights on the state of the world’s health. ([http://nutrition.healthdata.org](http://nutrition.healthdata.org/))
* Developed and deployed new machine learning models that improved the accuracy of epidemiological predictions in data-sparse regions by 50-100%.
* Improved the ETL pipeline code to prevent data loss and reduced extraction time by 20%, saving 600 hours of Data Analyst time.
* Built an HTTP-based RESTful API for a central database to build a natural language processing application.
* Contributed to a positive work culture by launching a staff feedback group, organizing a monthly game night, hosting book clubs, leading a weekly team code review, and mentoring new hires.
* Published data visualizations and statistical analyses in internationally renowned, peer reviewed scientific journals.

**DATA TECHNICIAN, JAN 2015 – SEP 2016**

NC STATE UNIVERSITY, RALEIGH, NC

* Publicized a novel, geospatial dataset using Tableau’s website for public visualization dashboards.
* Increased data coverage by 15% by recruiting collaborators’ help at inaccessible museums.

EDUCATION

**PROFESSIONAL DEVELOPMENT, MAR 2018 – PRESENT**

UNIVERSITY OF WASHINGTON

3.9 GPA. Coursework in Computer Programming

**B.S. BIOLOGY, CONCENTRATION IN ECOLOGY, EVOLUTION, AND CONSERVATION, MAY 2015**

NC STATE UNIVERSITY

4.0 GPA. Awarded the Caldwell Fellowship, 2012-2015. Calculus and chemistry tutor

SKILLS

* Languages: Python, R, Java, MySQL, JavaScript, HTML/CSS
* Libraries: Scikit-Learn, Pandas, NumPy, Tidyverse, Seaborn, Matplotlib, Flask
* Technologies: Tableau, Superset, Git, Docker, Rancher, Unix, Azure, ArcGIS, Distributed computing systems