

KAIRSTEN FAY

Seattle, WA · (704) 975-3698

kairsten.fay@gmail.com · [Personal Website](#) · [LinkedIn](#)

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>)
- 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