

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>)
- 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

3.5 GPA. Coursework in Computer Science (9 credit hours)

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