

KAIRSTEN FAY

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EXPERIENCE

FEB 2017 – PRESENT

DATA ANALYST, IHME, SEATTLE, WA

- Built a machine learning library to improve epidemiological predictions in data-sparse regions for multiple risk factors. Increased model performance 50%-100% on average from other methods
- Improved the ETL pipeline code. Updated it to process data more quickly and altered the extraction process reducing extraction time by 20% and saving 600 hours of Data Analyst time
- Designed dynamic dashboards in Tableau and Superset (open-source) for data validation replacing static graphs and saving 300 hours of Data Analyst time.
- Performed statistical data analysis and data visualization across distributed systems for internal and external communications including scientific publications and press releases
- Awarded "Rising Star/Rookie of the Year" for enthusiasm, achievement, and professional growth

JAN 2015 – SEP 2016

DATA TECHNICIAN, NC STATE UNIVERSITY, RALEIGH, NC

- Created an unprecedented, geospatial data set using literature review and museum collections to research the shifting winter coat color distribution of animals worldwide due to climate change.
- Publicized the lab's scientific paper by building a visualization dashboard on Tableau
- Increased data coverage by 15% by recruiting collaborators' help at inaccessible museums

EDUCATION

MAR 2018 – PRESENT

PROFESSIONAL DEVELOPMENT, UNIVERSITY OF WASHINGTON, 3.9 GPA

Coursework in computer programming I and II

MAY 2015

B.S. BIOLOGY, NORTH CAROLINA STATE UNIVERSITY, 4.0 GPA

Awarded the Caldwell Fellowship. Coursework in statistics and genetics.

PROGRAMMING LANGUAGES

Proficient in Python and R. Prior experience in Java, SQL, JavaScript