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| Kairsten **Fay**  Seattle, WA · (704) 975-3698  kairsten.fay@gmail.com · [Personal Website](http://kairstenfay.github.io/) · [Linked In](http://www.linkedin.com/in/kairsten-fay) |

# Experience

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| **Feb 2017 – Present** Data analyst, IHME, Seattle, WA  * Built a machine learning library to improve epidemiological predictions in data-sparse areas for multiple risk factors. Increased model performance 50%-100% on average from old 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 professionalism |
| **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 public. * Increased data coverage by 15% by recruiting collaborators’ help at inaccessible museums. |

# Education

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| Mar 2018 – Presentprofessional development, University of Washington, 3.9 GPA Coursework in computer programming I and II |
| May 2015B.S. Biology, North Carolina State University, 4.0 GPA Awarded the Caldwell Fellowship. Coursework in statistics and genetics. |

# Programming languages

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