**Kairsten Fay**

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[**PROFESSIONAL PROFILE**](mailto:kairstenfay@gmail.com)

* Dynamic, personable and challenge-driven recent college graduate with extensive research background resulting in multiple publications
* Self-motivated, resourceful learner who is gaining high-demand data science and big data skills through completing projects daily

**PROFESSIONAL EXPERIENCE**

**NC STATE UNIVERSITY, Raleigh, NC**

*Research Technician, Jan 2015 – Sep 2016*

* Paved the way for a new lab project by designing the dataset, collecting and cleaning the majority of the data, and organizing data collection trips to museums across the U.S.
* Used Python and R to explore the data and determine where our collection biases lay
* Created aesthetic, simple maps from the multi-variate data in ArcGIS to use for presentations
* Contributed to research on global coat color phenology, paper in preparation

**NC STATE UNIVERSITY, Raleigh, NC**

*Research Assistant, Apr 2014-Mar 2015*

* While assisting a PhD candidate’s dissertation work, designed own research project using available resources
* Heightened lab and research visibility by presenting data at a university symposium and at a Genetics Society of America international conference
* Contributed to “Genetic and genomic response to selection for food consumption in *Drosophila melanogaster*”, Behav Genet (2016). doi:10.1007/s10519-016-9819-x and to “Genomic, fitness, developmental, and behavioral response to experimental evolution for high ethanol environment”, in preparation

**EDUCATION**

**NORTH CAROLINA STATE UNIVERSITY, Raleigh, NC**

*Bachelor of Science in Biology May 2015*

* GPA: 3.98/4.0
* Awarded the intensive, leadership-oriented Caldwell Fellowship through which I expanded my academic and cultural horizons. I was selected for my scholarship, dedication to service, and integrity
* Invited into the Phi Beta Kappa national honor society for academic excellence

**SKILLS**

* R, Python, SQL, GIS, applied statistics, machine learning, PostgreSQL, MongoDB, Panda, MapReduce programs, and big data platforms (Hadoop, Apache Spark)
* Prominently self-taught with 8+ verified certificates from Coursera and counting
* Bilingual English and Spanish
* Excellent communicator, time manager, and problem solver