

# Kairsten Fay

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## PROFESSIONAL PROFILE

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- ◆ 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

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### 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

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### 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

## ADDITIONAL SKILLS

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- ◆ 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