Kairsten Fay

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PROFESSIONAL PROFILE

- Dynamic, personable and challenge-driven recent college graduate with extensive research background
- Self-motivated and resourceful learner who is gaining data science and big data skills daily
- Possess comprehensive knowledge of Python, R, SQL, GIS, Microsoft Office
- Contributions to research have resulted in multiple scientific publications

PROFESSIONAL EXPERIENCE

NC STATE UNIVERSITY, Raleigh, NC
Research Technician, Jan 2015 - present

- Design dataset, collect data from multiple sources, clean data and integrate into the database
- Calculate fields with Python and query them with SQL
- Create exploratory graphs in R using statistics and visualize the multi-variate geospatial data in ArcGIS
- Successfully organized a past workshop by planning visitor itineraries
- Co-authored scientific paper on global coat color phenology, in preparation

NC STATE UNIVERSITY, Raleigh, NC
Research Assistant, Apr 2014-Mar 2015

- Designed own research project where I collected and analyzed data
- Presented my results at a university symposium and at a Genetics Society of America international conference
- Co-authored scientific paper, "Genetic and genomic response to selection for food consumption in *Drosophila melanogaster*", Behav Genet (2016). doi:10.1007/s10519-016-9819-x
- Co-authored scientific paper, "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
- Received intensive leadership training, gained international experience through the Caldwell Fellowship, which I received for my academic scholarship, dedication to service, and integrity
- Inducted into Phi Beta Kappa national honor society
- Made the Dean's List all eight semesters

ADDITIONAL SKILLS

- Have completed numerous projects which are viewable at my website (address at the top)
- Knowledge of applied statistics, machine learning, PostgreSQL, MongoDB
- Familiar with big data platforms (Hadoop, Apache Spark)
- Prominently self-taught with 8+ certified certificates from Coursera
- Bilingual Spanish and English
- Quick, independent learner with wonderful time management
- Possess excellent communication and problem solving intuition
- Certified English teacher and calculus/chemistry tutor
- 2 years of customer service experience