Elizabeth Eisenhauer

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EDUCATION

The Pennsylvania State University, State College, PA
Doctorate of Philosophy (pre-comp), Statistics, August 2017 –
- Distinguished Graduate Fellow

The College of New Jersey (TCNJ), Ewing, NJ
Bachelor of Arts, Mathematics, Specialization: Statistics, August 2013 – May 2017
- GPA: 3.77/4.00
- Magna cum laude
- Departmental Honors
- Phi Beta Kappa Honors Society
- Pi Mu Epsilon Mathematics Honors Society
- President of TCNJ Environmental Club
- Vice President of TCNJ's Veg Life Club

EXPERIENCE

RESEARCH

Laboratory Assistant, Department of Statistics, The Pennsylvania State University, State College, PA
June 2017 – August 2017
Advisor: SCRiM Researcher Murali Haran
- SCRiM project involving development of statistical methods for analyzing non-Gaussian time series data, with applications to precipitation time series
- Took part in SCRiM Summer School 2017

Honors Research, Department of Mathematics, TCNJ, Ewing, NJ
June 2016 – May 2017
Advisor: Dr. Michael Ochs
- Creation of structural equations and graphical models to understand the limits of learnability of cell signaling networks based on high-throughput biological measurements with a focus on cell signaling networks in head and neck squamous cell carcinoma
- Presented at TCNJ Mentored Undergraduate Summer Experience 2016 poster session
- Presented a poster at the 2017 Eastern North American Region (ENAR) International Biometric Society Spring Meeting

PROFESSIONAL

Graphic Designer, TCNJ Office of Student Activities, Ewing, NJ
September 2014 – May 2016
- Consulted with faculty and student organizations on how best to meet their design goals
- Completed individual graphic design projects and packages (logos, posters, t-shirt designs, and murals)

Operations Intern, TerraCycle, Inc., Trenton, NJ
December 2015 – April 2016
- Analysis of shipping operations through manipulation of Excel spreadsheets
- Improvement of zero-waste office collection program

Statistics Project Manager, The Rainbird Foundation, Madison, WI
December 2014 – October 2015
- Compilation and analysis of child abuse data from across the United States
- Discovery of the importance of understanding data generation to analyze data well

Volunteer, South Jersey Land and Water Trust, Glassboro, NJ
August 2014
- Record and submission of GPS location data on invasive plant species to New Jersey Invasive Species Strike Team
- Administration of educational information

SKILLS AND CERTIFICATIONS

Base Certification for SAS 9, July 2015
Working knowledge of R, RMarkdown, Latex, Microsoft Office Suite, and Adobe Creative Suite
Basic knowledge of SPSS, SAS, Minitab, MatLab, HTML, and CSS

PROFESSIONAL AFFILIATIONS

ENAR International Biometric Society. February 2017 – February 2018
American Statistical Association. August 2014 – present