Joseph Zemmels

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**Professional summary**

* Statistician with over five years of experience in statistics and data analysis
* Diversely trained to perform accurate and robust statistical analyses
* Soon to publish 3 manuscripts in peer-reviewed journals
* Successfully collaborated with colleagues from diverse cultures as Student Organization Treasurer
* Directed technical and scientific consulting for industry and academia
* Ability to write scientific code with multiple languages: R, Python, Linux, and SAS

**TECHNICAL SKILLS**

**Programming Language**: R, Python, HTML, MATLAB

**Data Analysis:** dplyr, ggplot2, rmarkdown, purrr, sf, rvest, reticulate, pandas

**Machine Learning**: caret, scikit-learn, tensorflow

**App Development:** shiny, shinydashboard, HTML

**Miscellaneous:** RStudio, LaTeX, GitHub, Slack, ZOOM

**EDUCATION**

Iowa State University (ISU), Ames, IA August 2018-April 2023

Doctor of Philosophy, Ph.D., Statistics

Iowa State University (ISU), Ames, IA August 2018-May 2020

Master of Science, M.S., Statistics

**Winona State University, Winona, MN August 2013-December 2017**

Bachelor of Science, B.S., Honors Mathematics and Mathematics: Secondary Education

**Experience**

**Center for Statistics and Applications in Forensic Evidence, Ames, IA January 2020-Present**

**Forensic Statistician Graduate Research Assistant**

* adsaf

**Data Science for the Public Good, Ames, IA May-August 2021**

**Graduate Fellow**

* asdf

**John Deere, Moline, IL May-August 2021**

**Aftermarket Analytics Data Analyst Intern**

* asdf

**LEADERSHIP AND SERVICE EXPERIENCE**

**Iowa STAT-ers Graduate Student Organization**, **ISU, Ames, IA** **August** **2020-May 2021**

**Executive Board**

* Communicated relevant information from Senate meetings to department faculty and students
* Conducted Senate elections as Elections and Operations Committee Co-Chair
* Promoted and publicized 18 conference events - Public Relations Committee Chair

**SELECT PUBLICATIONS** (1 of 3)

* **Last, X. Y.** & Name, H.-H. Rational Design of High-Number . *PLoS One* **10,** e0145682 (2019).

**SELECT HONORS AND GRANTS** (1 of 7 honors/grants)

* Center for Excellence in and Learning and Teaching (CELT) grant, ISU ($5,000) **2019**

**PROFESSIONAL ASSOCIATIONS**

National Animal Breeding & Genetics Association **-** Member **2017-Present**