

HALEY JEPPSON



EDUCATION

- 2021 • **Ph.D., Statistics** 📍 Ames, IA
Iowa State University
- 2016 • **M.S., Statistics** 📍 Ames, IA
Iowa State University
- 2013 • **B.A., Mathematics, Studio Arts** 📍 Iowa City, IA
University of Iowa



EXPERIENCE

- 2022
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2021 • **Research Associate** 📍 Remote
National Institute of Statistical Sciences
 - Established guidelines to enhance graphical data displays in reports and briefs ensuring graphs are engaging, accessible, efficient, statistically accurate, and encourage viewer engagement and navigation
 - Distilled recommendations into a comprehensive data visualization handbook containing guidelines for best practices, tutorials, and a reference library
- 2021
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2017 • **Data Visualization Intern, Graduate Research Assistant** 📍 Remote
Schneider Electric, Iowa State University
 - Cultivated guidelines for data visualizations containing data visualization color scales developed to incorporate the company's branding aesthetic
 - Collaborated on building a suite of R packages that implemented those guidelines and color scales
- Sum.
2020 • **R Program Support** 📍 Remote
Data Science for the Public Good Young Scholars Program
 - Provided R coding and debugging support during virtual training sessions
 - Built public-facing Shiny dashboard to display final results for easy digestion
- Spring
2020 • **Course Instructor** 📍 Ames, IA
'Applied Statistical Computing' (STAT 480), Iowa State University
 - Developed course materials and website and supervised teaching assistant responsible for grading
 - Taught students the fundamentals of programming in R including data acquisition, exploration, and management, and the communication of results with an emphasis on reproducible products
- Sum.
2016 • **Student Developer** 📍 Remote
Google Summer of Code
 - Developed the R package **ggmosaic** for creating mosaic plots within the **ggplot2** framework.

CONTACT

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- in [linkedin.com/in/haley-jeppson](https://www.linkedin.com/in/haley-jeppson)
- 🌐 haleyjeppson.netlify.app

COMPUTING SKILLS

Expertise: R/RStudio, R Markdown, Shiny

Working Knowledge: Git/GitHub, HTML, CSS, LaTeX, Vega-lite, Plotly

Familiarity: SQL, Bash, Python, SAS, C/C++, JAGS/WinBugs

2017
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2014

Graduate Assistant

📍 Ames, IA

CSAFE, Department of Statistics, Iowa State University

- Conducted research relating to applications for machine learning algorithms in forensic science
- Developed Shiny application for interactive data collection
- Taught 'Intro to Statistics' (STAT 101)



WORKSHOPS TAUGHT

July 2021

Building Tidy Tools

📍 Washington, DC

rstudio::conf(2022)

Invited to assist with the instruction of the workshop on developing tidyverse-compatible packages. Topics included package structure, function design and documentation, tidyeval, and unit-testing.

May
2018

R for Biologists

📍 Ames, IA

USDA National Animal Disease Center

Assembled and taught materials for an intensive workshop on the basics of R, data cleaning, and visualization using R and RStudio with application to biological data.

June
2017

The Week of R

📍 Ames, IA

Iowa State University

Taught and prepared materials for an intensive workshop on the basics of R. Topics included data cleaning, webscraping, data visualization, R Markdown and Shiny.