Greg T. Chism

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Professional Summary

Accomplished Data Science educator with 8 years of experience in academia, specializing in machine learning, statistics, and problem-solving. Adept at developing and leading cross-disciplinary research projects, implementing cutting-edge computational methods, and delivering engaging workshops.

Work Experience

Data Science Educator January 2022 - present

Data Science Institute

University of Arizona, Tucson, AZ

- Successfully managed two data science learning fellowship programs, coordinating resources and guiding participants to enhance their data science skillsets.
- Designed and developed a Posit Connect user landing page and a user metrics dashboard utilizing RMarkdown, improving user experience and providing actionable insights.
- Created and taught two five-workshop series on exploratory data analysis in R and Python, equipping participants with practical skills to analyze data effectively.
- Mentored over 100 researchers, providing guidance on data analysis and promoting best practices in reproducibility and data science to advance their research projects.
- Organized and managed data science events involving participants from 105 UArizona departments, fostering interdisciplinary collaboration and knowledge sharing.

Research Scientist July 2027 - March 2022

Social Insect Laboratory

University of Arizona, Tucson, AZ

- Completed a groundbreaking interdisciplinary dissertation, resulting in three high-quality manuscripts showcasing innovative research findings.
- Developed three reproducible containers using GitHub Actions and Binder, streamlining collaboration and ensuring consistent research outcomes across different environments.
- Presented personal research at 9 prestigious academic and industry conferences, demonstrating expertise and effectively communicating findings to diverse audiences.
- Authored and published the widely-used animal movement tracking software, ABCTracker, contributing to the advancement of wildlife research and conservation efforts.
- Awarded over $300,000 in funding for novel, innovative research, demonstrating excellence in research proposal development and project execution.

Research Assistant October 2014 - July 2017

Ecology, Evolutionary, and Marine Biology

UC Santa Barbara, Santa Barbara, CA

- Authored 3 scientific publications, showcasing expertise and contributing to the advancement of knowledge in the field.
- Created and maintained 5 novel reproducible data sets, enabling streamlined research and fostering data consistency across multiple projects.
- Presented research findings at a prominent scientific conference, demonstrating effective communication skills and engaging with the wider research community.

Education

Ph.D. in Entomology and Insect Science 2017 - 2022

University of Arizona

B.S. in Zoology 2014 - 2016

UC Santa Barbara

Skills and Competencies

Programming Languages & Tools
R/RStudio | Python | SQL | HTML & CSS | Bash Shell | Git & GitHub | RMarkdown & Quarto | Jupyter | Docker

Technical Skills
Data Analysis & Visualization | Version Control | Data Management | Containers | Website Design | High Performance Computing | Machine Learning | Deep learning