GREG CHISM

I develop statistics and reproducible research curriculum as a Computational and Data Science Educator at the University of Arizona Data Science Institute, where my experience with image and video analysis and research ethics support my devotion to open science.

View this CV online with links at https://gchism.netlify.app /uploads/gchism_cv.pdf

EDUCATION

2022

Ph.D., Entomology and Insect Science (minor EEB)

Tucson, AZ

University of Arizona

2017

- · Advisor: Dr. Anna Dornhaus
- · Interdisciplinary research into how ant nest shapes affects how they
- · Considered the implications towards animal behavior and human architecture fields

2017 2014

B.S. Zoology

Santa Barbara, CA

University of California Santa Barbara

- · Advisors: Drs. Armand Kuris, Kevin Laugherty
- · Investigation into the food web of sandy beach arthropods
- · Graduated distinction within major (EEMB)

2014 2012

A.A. Biology

Redding, CA

Shasta Community College



RELATED WORK EXPERIENCE

current 2022

Computational and Data Science Educator

Tucson, AZ

- University of Arizona
- · Developing just in time open science and statistics curriculum
- · Motivating students to pursue careers in data science
- · Developing best open science practices in related research disciplines

2022 2021

CALS Data Science Ambassador

Tucson, AZ

- University of Arizona
- · Provided data science consultations, resources, and referrals
- · Attended and assisted in R weekly workshops led by Dr. Jeffrey Oliver

2022 2021

Honors College Graduate Mentor

Tucson, AZ

University of Arizona

· Mentored and assisted nine undergraduate and graduate students towards developing competitive scholarship applications

CONTACT

- **☑** gchism@arizona.edu
- A https://github.com

/Gchism94

in https://www.linkedin.com

/in/greg chism b0185a222/

RELEVANT SKILLS

Made with the R package pagedown.

The source code is available on github.com/Gchism94/cv.

Last updated on 2022-07-15.

Graduate College Fellowship Application Mentor 2021 University of Arizona Tucson, AZ 2018 · Edited and mentored over 70 applicants for the NSF GRFP and other graduate fellowships • Three women in STEM applicants were awarded NSF GRFs · Contributed Graduate Student Spotlight article as an NSF GRF recipient ♣■ TEACHING AND MENTORSHIP **Undergraduate Research Mentor** 2020 University of Arizona Tucson, AZ 2018 · Dornhaus lab: nine students mentored in producing publication quality · Two students are coauthors on publications **Insect Discovery Teaching Assistant** 2019 University of Arizona Tucson, AZ 2018 · Taught insect science K-8 title I students through four on-campus workshops · Gave on-site interactive demonstrations on insect science at the Flandrau Planetarium **KEYS High school student Mentor** 2019 University of Arizona Tucson, AZ 2019 · Mentored an advanced high school student in data etiquette and hypothesis testing SARSEF High school Student Mentor 2018 University of Arizona Tucson, AZ 2018 · Mentored three high school students in data etiquette and hypothesis testing

I am passionate about open science education. I believe that learning should be student focused, highlighting their stories, experiences, and backgrounds.

PROFESSIONAL DEVELOPMENT Data Carpentries Instructor

2022

2018

Tucson, AZ

♥ University of Arizona

 \cdot Trained to provide high quality data science workshops that are inclusive and broad reaching

Data-driven Ecological Synthesis 2018

Montreal, Canada

Our Université de Montréal

• Applying the R programming language to answer a diversity of biological questions

NestArchOrg 2022 GitHub repository 2022 · Zenodo published research compendium to reproduce results from DOI: https://doi.org/10.1101/2022.06.30.498314 **HumidityProject** 2022 GitHub repository 2022 · Zenodo published research compendium to reproduce results from DOI: https://doi.org/10.1101/2022.06.30.497551 **=** PUBLICATIONS Nest shape influences colony organization in ants: spatial distribution 2022 and connectedness of colony members differs from that predicted by 2022 random movement and is affected by nest space bioRxiv Preprint · Coauthored with Nichols, W., and Dornhaus A. Temnothorax rugatulus ants do not change their nest walls in response 2022 to environmental humidity 2022 bioRxiv Preprint · Coauthored with Faron W., and Dornhaus A. A hymenopteran odorant alerts flies to bury eggs 2021 bioRxiv Preprint 2021 · Coauthored with Davis, S. M., Maurer, M. M., Trejo, J. E., Garcia, R. J., & Schlenke, T. A. ABCTracker: an easy-to-use, cloud-based application for tracking 2020 multiple objects 2020 arXiv Preprint · Coauthored with Rice, L., Tate, S., Farynyk, D., Sun, J., Charbonneau, D., ... & Shin, M. C. Intraindividual behavioral variability predicts foraging outcome in a 2017 beach-dwelling jumping spider 2017

Scientific reports

· Coauthored with Lichenstein, J.L.L, Pruitt J.N.

♥ PUBLISHED RESEARCH COMPENDIUM

I have made meaningful contributions to my research community. Now I work to help others make a difference in their research communities and society.

