Noah Giebink

University of Arizona

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Lifelong learner, Communicator, Aspiring data scientist

Skills

Data Science

Machine Learning, statistics, Bayes, data mining, visualization, geospatial analysis, Tidyverse, Pandas, Scikit-learn

Soft Skills

Technical communication, public speaking, self-directed learning, adaptability, creativity, empathy, supervision, teamwork

Pedagogy

Teaching, tutoring, educational support, active learning

Education

University of Arizona — *Tucson, AZ*

Master of Science - Information — *Fall 2020 - Fall 2021 (expected)*

- GPA: NA

University of Arizona — *Tucson, AZ*

Master of Science - Ecology and Evolutionary Biology — *Spring 2020*

- GPA: 3.784

University of Wisconsin - La Crosse — *La Crosse, WI*

Bachelor of Science - Biology, minor: Psychology — *2017*

- GPA: 3.78

Teaching

UA Science: Sky School — *Tucson, AZ*

Instructor — *2019 - present*

- Lead K-12 students in inquiry-based science programs and supervise groups of students' research projects. Explain technical content at different levels. Rapidly adapt to students' needs and interests. First instructor to design coding activities.

University of Wisconsin - La Crosse — *La Crosse, WI*

Biology Tutor — *2014 - 2017*

- Improved college students' academic success by tutoring concepts, writing, presentations, data analysis, group work, study techniques. Promoted self-directed learning skills.

UA Data Science Institute — *Tucson, AZ*

Software Carpentry Workshop — *February, 2020*

- Volunteer helper; Git, Bash, Python, Jupyter Notebooks

Graduate Instructor

Evolution — *2019 - 2020*

- Lead two weekly discussions, engage students with active learning style

Ecology — *2019*

- Supervise field experiments, lead two weekly labs

Animal Behavior — *2017 - 2018*

- Designed lab curriculum alongside primary instructor, created original lab activities

Introductory Biology Lab *2018*

- Lead two weekly labs

Relevant Coursework

Data Mining and Discovery
Statistical Natural Language Processing
Science Communication
Writing Tutor Practicum
Communicating Effectively
Learning and Memory
Culture and Mental Health

Research

University of Arizona

Augmenting a teachable robot with adaptive cognitive and social support

Robotics, virtual reality, data analysis *2020*

Unlocking big data for biodiversity research

Machine learning, species distribution models, community science, ecology *2019 - 2020*

Begonia intersexual floral mimicry

Signal Detection Theory, animal behavior, learning, botany *2017 - 2019*

Bioacoustics of floral sonication by bees

Audio processing, acoustics, botany *2017*

University of Wisconsin - La Crosse

Honey bee sleep

infrared videography, beekeeping, animal behavior *2016 - 2017*

Publications

Russell, A.L., Kikuchi, D.W., **Giebink, N.W.**, & D.R. Papaj. (2020). Sensory bias and signal detection tradeoffs maintain intersexual floral mimicry. Philosophical Transactions B special issue.

De Luca, P. A., **Giebink, N.**, Mason, A. C., Papaj, D., & Buchmann, S. L. (2018). How well do acoustic recordings characterize properties of bee (Anthophila) floral sonication vibrations? Bioacoustics, 1–14.