

# Kristen Martinet

## Curriculum Vitae

### EDUCATION

Present **PhD, Bioinformatics and Computational Biology**

University of Idaho, Moscow, Idaho

Advisor: Luke Harmon

2018 **BS, Biology Honors Program**

Minor: Computer Science

Florida Southern College, Lakeland, Florida

### SKILLS/EXPERTISE

R (including package development); Python; C++; C#; Bash; High Performance Computing; Web Development (HTML, CSS, Javascript, PHP, Vega); and Creating workflows for phylogenetics and comparative methods

### PUBLICATIONS

3. Stemle, L.R., **Martinet, K.M.**, & Langford, G.J. 2020. Natural History Traits and Ecology of the Striped Mud Turtle in a Florida Wetland. *Southeastern Naturalist*. 19(3): 511-523
2. Stemle, L.R., **Martinet, K.M.**, & Langford, G.J. 2019. Spatial Ecology of the Striped Mud Turtle, *Kinosternon baurii*, in a Restored Florida Wetland. *Herpetological Review*. 50(4): 695-698
1. **Martinet, K.M.**, Stemle, L.R., & Langford, G.J. A Comparative Analysis of the Commensal Diversity from Two Gopher Tortoise (*Gopherus polyphemus*) Populations in Central Florida. *In revision*.

### PRESENTATIONS AT PROFESSIONAL MEETINGS

Presenter is first author, unless indicated by \*

7. **Martinet, K.M.**, Godfrey, B., & Harmon, L.J. (2023). SSARP: Easily Project Species-Area Relationships. EVO-WIBO, Port Townsend, Washington. Poster.
6. **Martinet, K.M.**, Wright, L.R., Soule, T., Harmon, L.J., & Robison, B.D. (2022). Evolutionary Diversification in a Digital Video Game. Evolution, Cleveland, Ohio.
5. **Martinet, K.M.**, Robison, B.D., Soule, T., Holliday, G., Mason, L., Wright, L.R., & Harmon, L.J. (2021). Survival of the Hairiest: Mate Selection in an Evolutionary Video Game. Evolution, Virtual.

4. **Martinet, K.M.** & Harmon, L.J. (2020). Species-Area Curves for Island Lizard Radiations. Society of Systematic Biologists Standalone Meeting, Gainesville, Florida. Poster.
3. **Martinet, K.M.**, Stemle, L.R., & Langford, G.J. (2018). A Comparative Analysis of the Commensal Diversity from Two Gopher Tortoise (*Gopherus polyphemus*) Populations in Central Florida. Joint Meeting of Ichthyologists and Herpetologists, Rochester, New York. Poster.
2. Stemle, L.R., **Martinet, K.M.**, & Langford, G.J. (2018). Life History Traits and Spatial Ecology of the Striped Mud Turtle, *Kinosternon baurii*, in Central Florida. Joint Meeting of Ichthyologists and Herpetologists, Rochester, New York.
1. Stemle, L.R.\*, **Martinet, K.M.\***, & Langford, G.J. (2017). Life History Traits and Spatial Ecology of the Striped Mud Turtle, *Kinosternon baurii*, in Central Florida. Florida Chapter of The Wildlife Society Spring Conference, Orlando, Florida. Poster.

## RESEARCH EXPERIENCE

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|----------------|---|
| 2020 – Present | Incorporating Evolution into Video Games Used for Teaching: Collaboration with the Polymorphic Games Studio at the University of Idaho<br><i>Programming models of evolution and related processes into video games</i> |
| 2020 – Present | Developer for Arbor Workflows<br><i>Creating accessible tools for studying phylogenetics, <a href="#">see here</a></i>  |
| 2019 – Present | Writing the SSARP R Package for Island Biogeographical Studies<br><i>Accessing APIs to easily create species-area relationships, <a href="#">GitHub here</a></i>  |
| 2017 – 2018    | Extinction-Based Genetic Algorithms<br><i>Incorporating extinction in a genetic algorithm to expand the search space</i>  |
| 2016 – 2017    | Comparison of Commensal Diversity of Two Gopher Tortoise ( <i>Gopherus polyphemus</i> ) Populations<br><i>Sampling <i>G. polyphemus</i> burrow commensals and comparing diversity between sites</i>                     |
| 2015 – 2017    | Life History Traits and Spatial Ecology of Striped Mud Turtles ( <i>Kinosternon baurii</i> )<br><i>Mark-recapture and telemetry study on <i>K. baurii</i></i>   |

## FUNDING & AWARDS

- |             |   |
|-------------|---|
| 2023        | Paul Joyce Memorial BCB Fellowship Award   University of Idaho                |
| Spring 2021 | Bioinformatics and Computational Biology Fellowship   University of Idaho     |
| 2020        | Lauren Ancel Meyers Registration Award for SACNAS   IMCI, University of Idaho |
| 2019 – 2020 | Bioinformatics and Computational Biology Fellowship   University of Idaho     |