

AUSTIN M. SMITH
Curriculum Vitae

Department of Integrative Biology
University of South Florida
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SCA 110
Tampa, Florida 33620

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EDUCATION

- Aug. 2019 – Present **University of South Florida**, Tampa, FL
Ph.D. in Biology
Concentration: Ecology & Evolution
Advisor: Andrew M. Kramer
Dissertation: “Species distribution models with spatiotemporal data and deep learning.”
- Aug. 2015 – May 2018 **University of Florida**, Gainesville, FL
M.S. in Interdisciplinary Ecology
Concentration: Wildlife Ecology & Conservation
Advisors: Wendell P. Cropper Jr; Michael P. Moulton
Thesis: “A comparison of machine learning methods to classify Chukar partridge (*Alectoris chukar*) establishment patterns in Washington state”
- Aug. 2010 – Aug. 2013 **University of Florida**, Gainesville, FL
B.A. in Mathematics
Minor: Secondary Education
- Aug. 2007 – May 2010 **Santa Fe College**, Gainesville, FL
A.A. in Mathematics

EMPLOYMENT

- | | | |
|-----------------------|-----------------------------|-----------------------------|
| Aug. 2022 – Present | University of South Florida | Graduate Teaching Assistant |
| Jan. 2020 – Aug. 2022 | University of South Florida | Graduate Research Associate |
| Aug. 2019 – Jun. 2020 | University of South Florida | Graduate Teaching Assistant |
| Oct. 2018 – Jun. 2020 | University of South Florida | Research Associate |
| Jan. 2016 – Jun. 2018 | University of Florida | Graduate Teaching Assistant |

Aug. 2015 – Jan. 2016

University of Florida

Graduate Research Assistant

COMMUNITY EXPERIENCE

Boyd Hill Nature Preserve,
St. Petersburg, FL, 33705

Bird of Prey Lead Caretaker

August 2018-Present

GRANTS & FUNDING

- University of Florida, Department of Wildlife Ecology & Conservation, 2017 (\$1200)
- University of Florida, Department of Wildlife Ecology & Conservation, 2017 (\$120)

PEER-REVIEWED PUBLICATIONS

- **A.M. Smith**, C. Capinha, A. M. Kramer. Species distribution models with deep learning and time-series data. *Ecology Letters*. *In review*
 - Pre-print available on bioRxiv: <https://doi.org/10.1101/2022.10.26.513922>
- **A. M. Smith**, W. P. Cropper Jr., M. P. Moulton. Machine learning as a tool for managing game bird introductions. *Ecosphere*. *in review*
- M. P. Moulton, W. P. Cropper Jr., **A. M. Smith**. A comment on Rock Partridge (*Alectoris graeca*) introductions. *Ornithology* *in review*
- **A. M. Smith**, W. P. Cropper Jr., M. P. Moulton. 2021. A quantitative assessment of site-level factors in influencing Chukar (*Alectoris chukar*) introduction outcomes. *PeerJ* 9:e11280 DOI 10.7717/peerj.11280

Courses Taught

- **Instructor**, PCB3043L Principles of Ecology, University of South Florida. Lab.
 - 2 sections, 23 students (each)
 - Semesters taught:
 - Spring 2022
- **Instructor**, BSC2011L Biodiversity, University of South Florida. Lab.
 - 2 sections, 25 students (each)
 - Semesters taught:
 - Fall 2019; 2022
 - Spring 2020
- **Teaching Assistant**, WIS 2040 Wildlife Issues in a Changing World, University of Florida.
 - 3 section, ~ 150 students (each)

- Semesters taught:
 - Spring 2016; 2017; 2018
 - Summer 2016; 2017
 - Fall 2016; 2017
- **Teaching Assistant**, WIS 2552 Biodiversity Conservation: Global Perspectives, University of Florida. Online.
 - 1 section, 50 students
 - Semesters taught:
 - Spring 2016; 2017; 2018
 - Summer 2016; 2017
 - Fall 2016; 2017

PRESENTATIONS & INVITED TALKS

Conferences

- **A. M. Smith**, C. Capinha, A. M. Kramer. Predicting species distributions with environmental time-series data and deep-learning. Ecological Society of America Annual Meeting. Virtual, 2021.
- **A. M. Smith**, W. P. Cropper Jr., M. Moulton. A Comparison of Machine Learning Methods to Classify Chukar Partridge (*Alectoris chukar*) Establishment Patterns in Washington State. (poster). Ecological Society of America Annual Meeting. August 2018, New Orleans, LA.

PROFESSIONAL AFFILIATIONS

2018 – 2021	American Association for the Advancement of Science
2018 – Present	American Ornithological Society
2022 – Present	British Ecological Society
2017 – Present	Ecological Society of America
2018 – Present	The Wildlife Society