

CONTACT  
INFORMATION

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## EDUCATION

**University of Florida**, Gainesville, Florida USA

Ph.D., Animal Sciences, January 2023 - Present

- Advisor: Dr. Haipeng Yu

**University of Florida**, Gainesville, Florida USA

M.S., Electrical and Computer Engineering, December 2022

**Wuhan University of Science and Technology**, Wuhan, Hubei CHINA

B.S., Electrical and Computer Engineering, July 2016

WORK  
EXPERIENCE

Department of Animal Sciences

**University of Florida**, Gainesville, Florida USA

- Graduate Research Assistant

01/2023 - present

- Intern

10/2022 - 12/2022

## PREPRINTS

2. **Wang J**, Xiang L, Morota G, Wickens CL, Miller-Cushon EK, Brooks SA, and Yu H. Technical note: ShinyAnimalCV: open-source cloud-based web application for object detection, segmentation, and three-dimensional visualization of animals using computer vision. *arXiv*. doi: [arXiv:2307.14487](https://arxiv.org/abs/2307.14487)
1. Bi Y, Campos LM, **Wang J**, Yu H, Hanigan MD, and Morota G. Depth video data-enabled predictions of longitudinal dairy cow body weight using thresholding and Mask R-CNN algorithms. *arXiv*. doi: [10.48550/arXiv.2307.01383](https://arxiv.org/abs/2307.01383)

CONTRIBUTED  
PRESENTATIONS

2023

3. Oral presentation “Impact of cross-validation strategies on machine learning- and deep learning-based cattle behavior predictions using tri-axial accelerometer data” at annual UF IFAS Animal Science Graduate Symposium. St. Augustine, Florida, Oct 13, 2023

2023

2. ShinyAnimalCV: Interactive web application for object detection and three-dimensional visualization of animals using computer vision. ASAS-CSAS-SSASAS Annual Meeting. Albuquerque, New Mexico, July 16-20, 2023

2023

1. Poster presentation “ShinyAnimalCV: interactive web application for object detection and three-dimensional visualization of animals using computer vision” at the 2023 Future of Food Forum - Transforming Food Systems with Artificial Intelligence. Mar 21, 2023

SOFTWARE  
DEVELOPMENTS

Computer vision software

- ShinyAnimalCV - <https://github.com/uf-aiaos/ShinyAnimalCV>